The Intelligent Surveillance Solution

Surveillance Management Software

user's manual

Ver. 99.280.7C19.001

TABLE OF CONTENTS

TABLE OF CONTENTS 1

SYSTEM REQUIREMENT 6

INSTALLATION 7

QUICK START 11

1. MAIN CONSOLE 15
   1.1 Start 17
   1.2 Crystal Ball 19
   1.3 Information Window 19
   1.4 PTZ Camera Control 19
      1.4.1 Preset/ Go 19
      1.4.2 Zoom 19
      1.4.3 Focus 20
      1.4.4 Patrol 20
   1.5 On Screen Menu 21
      1.5.1 Enable Move 21
      1.5.2 Enable Talk 21
      1.5.3 Connect/ Disconnect 21
      1.5.4 Show Camera 21
      1.5.5 Delete Camera 21
      1.5.6 Enable Digital PTZ 21
      1.5.7 Snapshot 21
      1.5.8 Manual Record 21
      1.5.9 Toggle Full Screen 21

2. PLAYBACK 22
   2.1 Information Window 24
   2.2 Audio Volume Control 24
   2.3 Screen Division 24
   2.4 Browse Mode 24
   2.5 Open Record 24
      2.5.1 Date Time Panel 25
      2.5.2 Record Display Window 25
      2.5.3 Date Time Period 26
      2.5.4 Video Preview 26

Table of Contents

2.5.5 Event Type 26
2.5.6 Time Table.....26
2.5.7 To Withdraw the Record 27
2.6 Search Mode 29
2.6.1 Unusual Event-General Motion 29
2.6.2 Unusual Event-Foreign Object.....30
2.6.3 Unusual Event-Missing Object 30
2.6.4 Unusual Event-Lose Focus/ Camera Occlusion.....31
2.7 Enhancement.....31
2.7.1 General Setting.....31
2.7.2 Filter Setting 31
2.8 Save Video.....32
2.9 Save Image.....32
2.10 Print.....33
2.11 Backup.....33
2.12 Log Viewer 35
2.12.1 Unusual Event.....35
2.12.2 System Log.....36
2.12.3 Counting Application 37
2.12.4 Counting Application (Diagram).....37
2.12.5 Export.....38
2.13 Setting 39
2.13.1 Record Display.....39
2.13.2 Play 39
2.13.3 Capture Image.....39
2.14 Remote Server 40
2.14.1 Add Remote Playback Site 40
2.14.2 Access Remote Playback Site 40

3. SCHEDULE.....41
3.1 Day Mode 42
3.2 Load Preset Modes 42
3.3 Insert a New Schedule Manually.....43
3.4 Copy Schedule.....44
3.5 Week Mode 44
3.5.1 Default.....45
3.5.2 Holiday 45
3.5.3 Custom.....45
3.6 Adjust the Scheduled Setting.....45
3.7 Encoding Option Panel.....46
3.7.1 Always Record 48

Table of Contents

3.7.2 Record on Event 48
3.7.3 Record on Motion 48
3.7.4 Pre-record/ Post-record Time 48

4. GUARD 49
4.1 Event 50
4.1.1 Assign a Camera Event 50
4.1.2 Event - Signal Lost 51
4.1.3 Event - General Motion 52
4.1.4 Event - Foreign Object 54
4.1.5 Event - Missing Object 57
4.1.6 Event - Lose Focus 60
4.1.7 Event - Camera Occlusion 62
4.1.8 Event - Digital Input Event 64
4.1.9 Event - System 65
4.2 Action 67
4.2.1 Action - Action Type 68

5. CONFIGURATION 69
5.1 Setting – General 70
5.1.1 Startup 70
5.1.2 Automatically Popup Event Report 70
5.1.3 Storage 71
5.1.4 Audio Preview 72
5.1.5 Status Display 73
5.1.6 Auto Reboot 73
5.2 Setting - Camera 74
5.2.1 Add Camera 74
5.2.2 Camera Parameter 75
5.2.3 OSD Setting 76
5.2.4 IP Camera / Video Server Setting panel 76
5.3 Setting - I/O Device 77
5.4 Setting - PTZ Config 78
5.5 Setting – Hotline 80
5.6 Setting - User Account 81
5.7 Setting - Address Book 82
5.8 Setting – Monitor Display 83
5.9 Setting – Joystick 84
5.10 Save/ Load Configuration 86
5.11 Counting Application 87
5.12 Log Viewer 88

Table of Contents

5.11.1 Log Viewer – Unusual Event 88
5.12.2 Log Viewer – System Log 89
5.12.3 Log Viewer - Counting Application 90
5.12.4 Log Viewer - Counting Application (Diagram) 91
5.12.5 Log Viewer - Export 92
5.13 Backup 93
5.13.1 Backup 93
5.13.2 Delete Recorded Information from the System 96
5.14 Network Service 98
5.14.1 Live Streaming Server 98
5.14.2 Remote Playback Server 102
5.14.3 3GPP Service 106
5.15 About Main Console 107
5.16 Video Source 107

6. REMOTE LIVE VIEWER 108
6.1 Setup Panel 109
6.1.1 Setup Panel—Server 109
6.1.2 Setup Panel—Group 110
6.2 Show Camera(s) On the Display Screen 111
6.2.1 Log In/ Log Out 111
6.2.2 Server and Camera List 111
6.2.3 PTZ Camera Control 111
6.2.4 Minimize 112
6.2.5 Exit 112
6.2.6 Digital Zoom 112
6.2.7 Play / Stop/ Drop 112
6.2.8 Information Display Window 112
6.2.9 Playback 112
6.2.10 Remote I/O 112
6.2.11 Snapshot 113

7. WEB VIEW 114
7.1 Server IP 114
7.2 Remote Live Viewer 115
7.3 Remote Playback 115

8. DB TOOL 116
8.1 Export Database 117
8.2 Import Database 118
8.3 Export Configurations 120

Table of Contents

8.4 Edit Storage Location 121

APPENDIX A 122

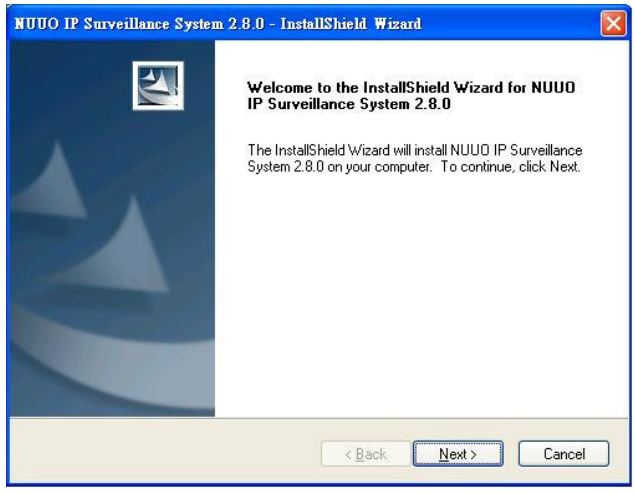
SYSTEM REQUIREMENT

Total FPS at CIF	~600	600~480	480~240	240~120	120~
CPU	Intel Core 2 Duo QX6700	Intel Core 2 Duo E6400	Intel Pentium D 930	Intel P4 2.8 GHz	Intel P4 2.4 GHz
RAM	2 GB	1 GB	1 GB	512 MB	512 MB
Mother-board	Intel 945 or 965 chip, Intel Chipset recommended				
Display	ATI Radeon 9200, nVIDIA GeForce FX-5200, Intel 945 / 965, or above (ATI recommended)				
Ethernet	100 BaseT or Above, Gigabit LAN Recommended				
Hard Disk	80 GB or above				
OS	MS Windows 2000 / XP Pro SP2 / 2003				

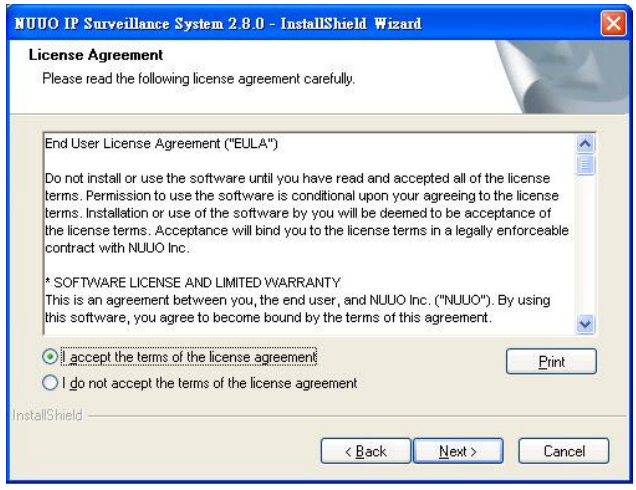
INSTALLATION

Step 1: Insert the Installation CD.

Step 2: Run Setup.exe from the CD-ROM directory to install.

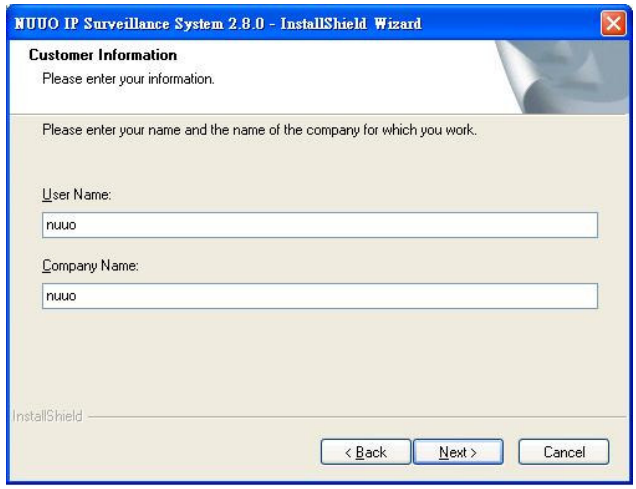

NUUO IP Surveillance System 2.8.0 - InstallShield Wizard
Welcome to the InstallShield Wizard for NUUO IP Surveillance System 2.8.0
The InstallShield Wizard will install NUUO IP Surveillance System 2.8.0 on your computer. To continue, click Next.
< Back
Next >
Cancel

Step 3: Check the option "I accept the terms of the license agreement".


NUUO IP Surveillance System 2.8.0 - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
End User License Agreement ("EULA")
Do not install or use the software until you have read and accepted all of the license terms. Permission to use the software is conditional upon your agreeing to the license terms. Installation or use of the software by you will be deemed to be acceptance of the license terms. Acceptance will bind you to the license terms in a legally enforceable contract with NUUO Inc.
* SOFTWARE LICENSE AND LIMITED WARRANTY
This is an agreement between you, the end user, and NUUO Inc. ("NUUO"). By using this software, you agree to become bound by the terms of this agreement.
I accept the terms of the license agreement
I do not accept the terms of the license agreement
Print
InstallShield
< Back
Next >
Cancel

Installation

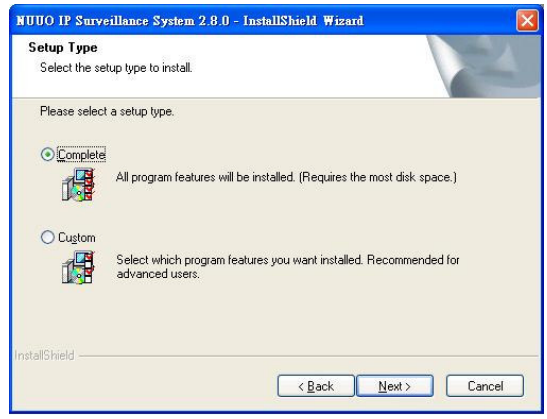
Step 4: Please enter your name and the company name for which you work.



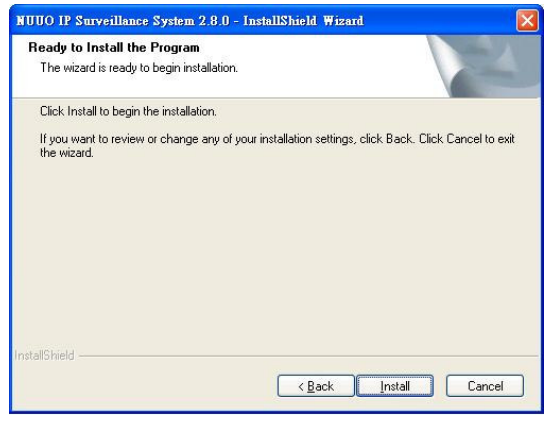
COMPLETE SETUP TYPE:

Install all program features into the default directory.

Check the option "Complete". All program features will be installed. [Require the most disk space.]


NUUO IP Surveillance System 2.8.0 - InstallShield Wizard
Setup Type
Select the setup type to install.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Select which program features you want installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

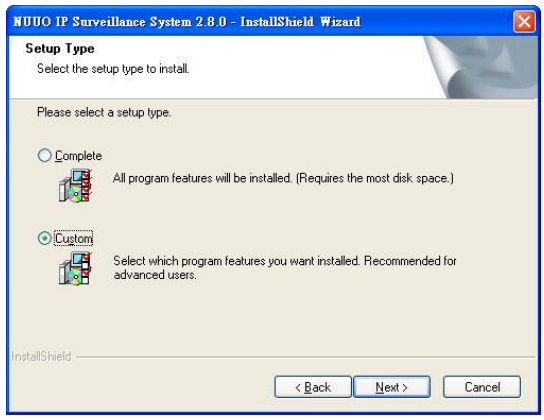
Press the "install" to start the installation.


NUUO IP Surveillance System 2.8.0 - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

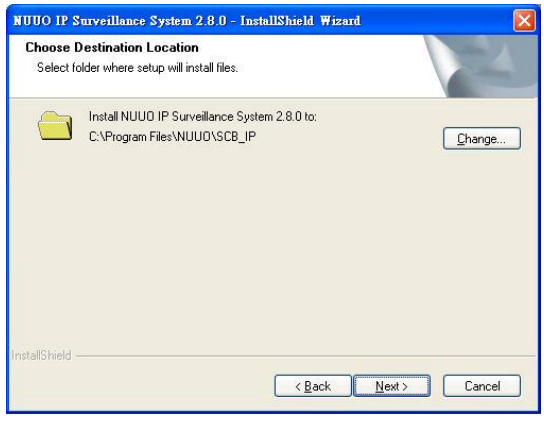
CUSTOM SETUP TYPE:

Install the system to a preferred directory. Or select whichever feature(s) you wish to install.

Check the option "Custom". Select which program features you want to install. This is recommended for advanced users.

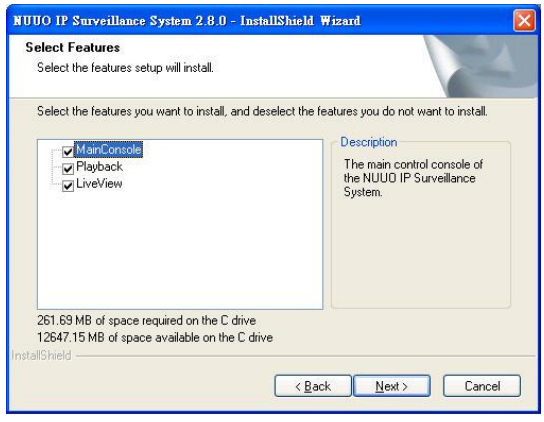

NUUO IP Surveillance System 2.8.0 - InstallShield Wizard
Setup Type
Select the setup type to install.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Select which program features you want installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

Select folder where setup will install files.



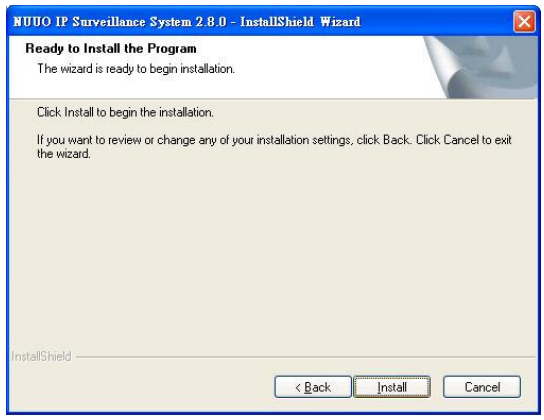
Select the features setup will install.

Hint: For example, select only Playback and LiveView for installation. Install and use only these features on multiple remote sites at home or anywhere with a PC.

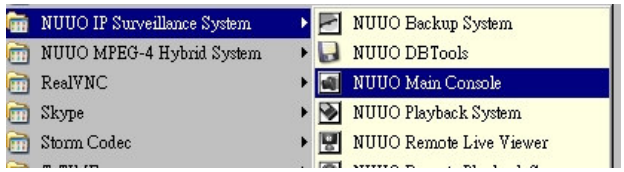

NUUO IP Surveillance System 2.8.0 - InstallShield Wizard
Select Features
Select the features setup will install.
Select the features you want to install, and deselect the features you do not want to install.
MainConsole
Playback
LiveView
Description
The main control console of the NUUO IP Surveillance System.
261.69 MB of space required on the C drive
12647.15 MB of space available on the C drive
InstallShield
< Back
Next >
Cancel

Installation

Press "Finish" to finish the installation.


NUUO IP Surveillance System 2.8.0 - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

Execute the Main Console



Enter the password you like into the edit box and enter again at the edit of Password Confirm. And then press "OK". Now enjoy our Intelligent Surveillance Solution.

QUICK START

INSTALL IP CAMERA(S)

Step 1: Setup the IP camera(s) following by the instruction manual provided by the manufacturer.

Step 2: Check the network between the IP camera(s) and the system.

Step 3: Add the IP camera(s) to the system following below steps.

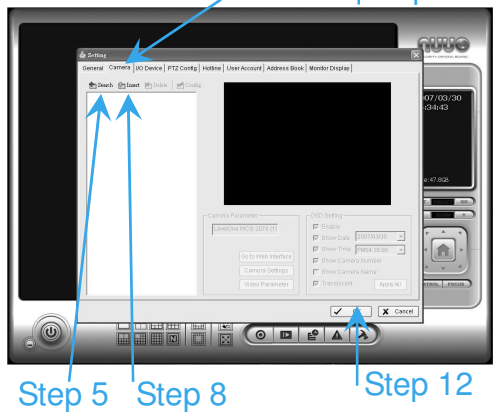
ADD IP CAMERA(S)

Step 1: Go to Start > All Programs > NUUO > Main Console.

Step 2: Type in user name and password and log on to the system.

Step 3: In Main Console, go to Config > Setting to obtain the Setting panel.

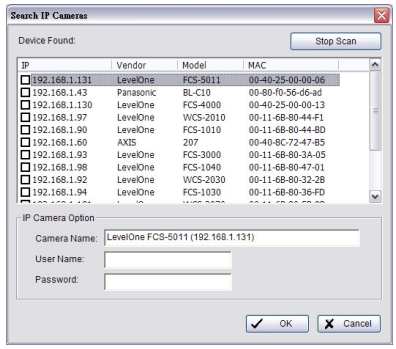
Step 4: Go to Camera tab.



If your IP cameras support UPnP. Follow step 5. Otherwise, follow step 8.

Step 5: Click "Search" to search for the IP cameras that are available at this point.

Note: Search function just support the IP cameras with UPnP supported.



Step 6: Select one of the IP cameras that are available; check the option and enter the username and password.

Quick Start

Step 7: Click OK to add the camera.

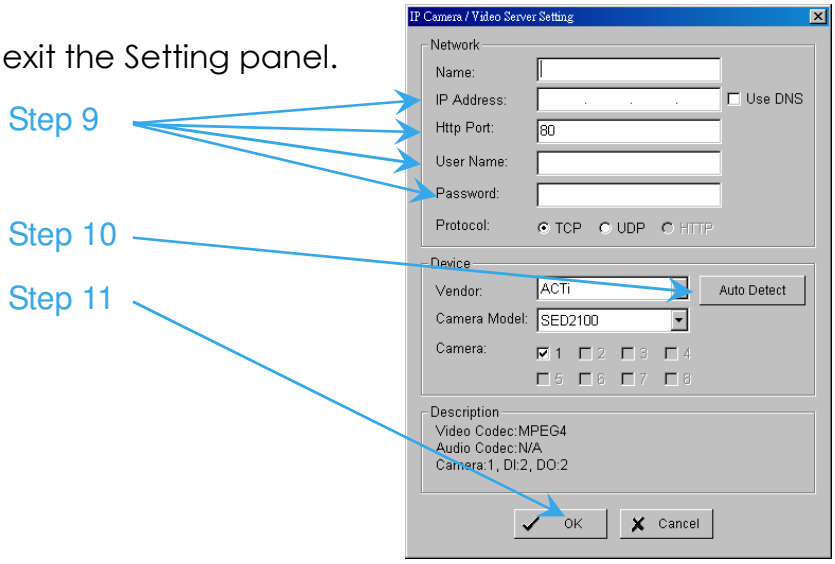
Step 8: Click "Insert" to insert the IP cameras.

Step 9: Enter the IP address or domain name (check the "Use DNS" option), Http Port, Username, and Password.

Step 10: Click "Auto Detect"

Step 11: Click OK to add the camera.

Step 12: Click OK to exit the Setting panel.



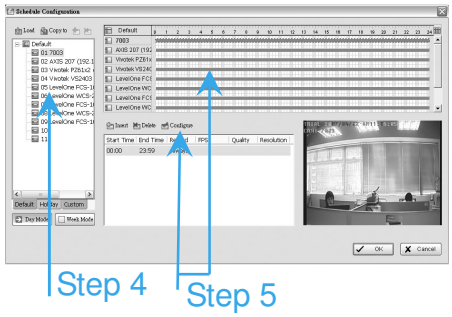
SET SCHEDULE

Step 1: Go to Start > All Programs > NUUO > Main Console.

Step 2: Type in user name and password and log on to the system.

Step 3: In the Main Console, go to Schedule.

Step 4: By default, when inserting a camera to the system, the recording schedule is automatically set to be 24 hours a day, always record.



Step 5: Click Configure on the selected camera schedule or double click

on any schedule bar to modify the recording mode.

Step 6: When satisfied with the schedule setting, click OK to update the recording schedule.

Step 7: Click OK again to go back to the Main Console.

SET SMART GUARD

Step 1: Go to Start > All Programs > NUUO > Main Console.

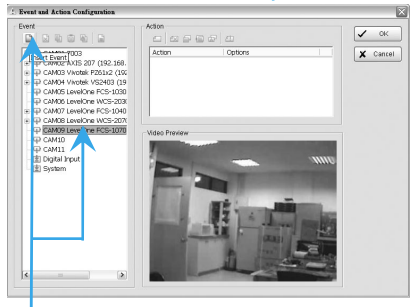
Step 2: Type in user name and password and log on to the system.

Step 3: In the Main Console, go to Guard.

Step 4: Select a camera and then click on "Insert Event."

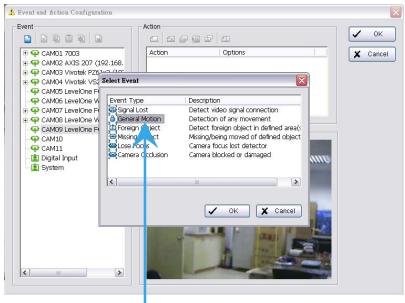
Step 5: Select General Motion as the event type, click OK.

Step 3

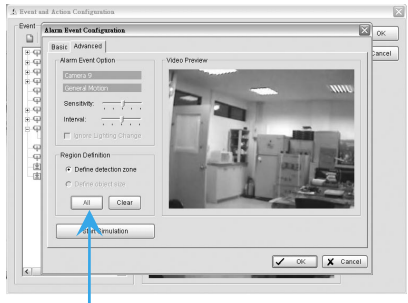


Step 4

Step 6:
In the Alarm Event Configuration panel, set the detection zone as all, and then click OK to exit the panel.



Step 5



Step 6

Step 7: Click OK to go back to the Main Console.

START RECORDING & SMART GUARD

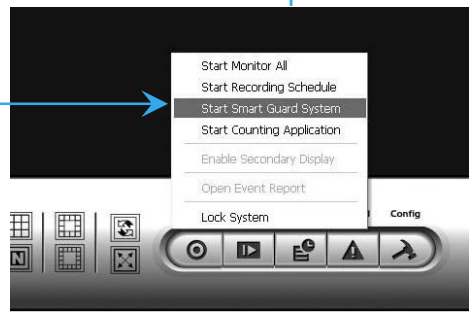
Step 1: Go to Start > All Programs >NUUO > Main Console.

Step 2: Type in user name and password and log on to the system.

Quick Start

Step 3: In the Main Console, go to Start.

Step 4: Click on "Start Recoding Schedule" and "Start Smart Guard System" to initiate the two functions.



PLAYBACK

Step 1: Go to Start > All Programs > NUUO > Main Console.

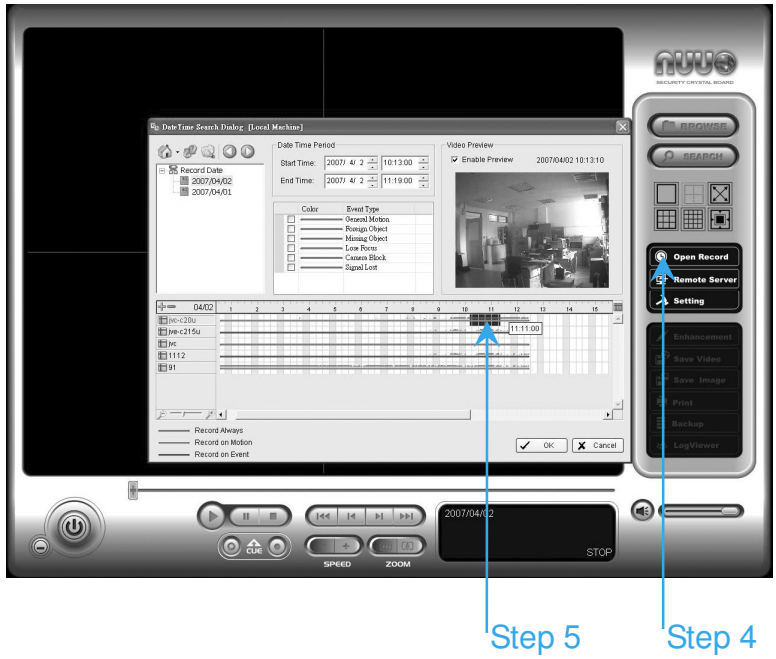
Step 2: Type in user name and password and log on to the system.

Step 3: In the Main Console, go to Playback.

Step 4: In the Playback window, click on the Open Record Icon.

Step 5:
In the time table, recorded files are displayed in color bars. Highlight any color bars to select playback section. Click OK to return to Playback Console.

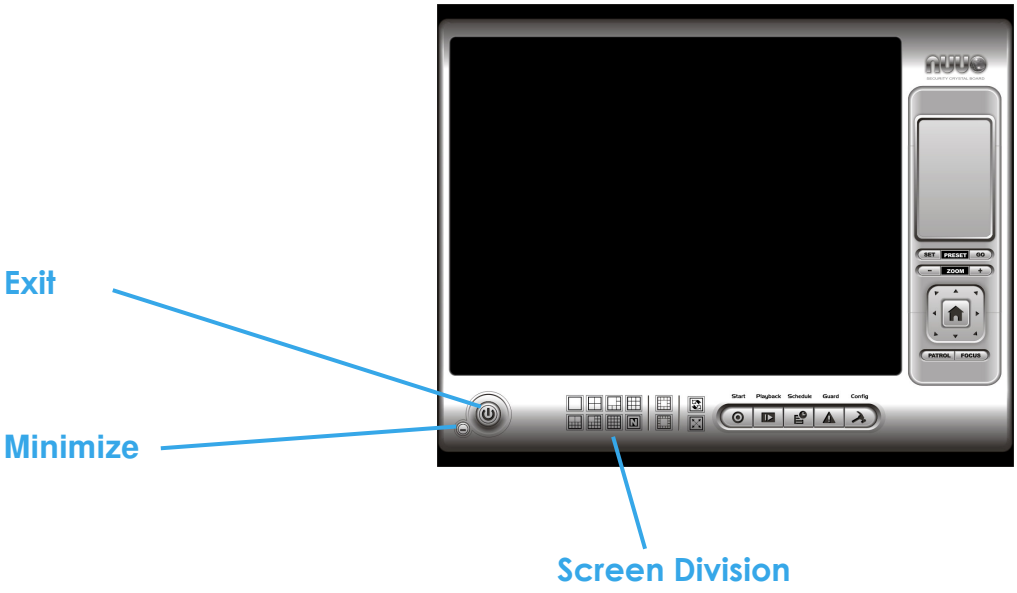
Step 6:
The recorded files are ready to view now.



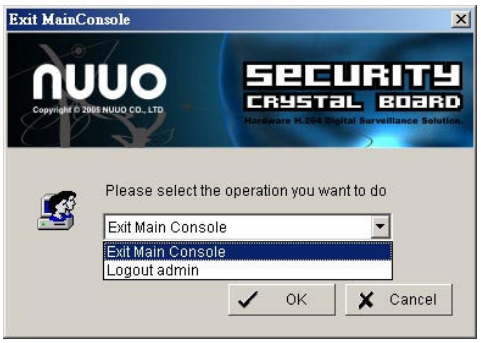
1. Main Console

This is the main operation system - to activate, schedule recording, setup smart guard and configure system setting.

1. Main Console



EXIT: Shut down the Surveillance System or log out current user.



MINIMIZE: Minimize the Main Console window.

SCREEN DIVISION: Allocate the sub-screen display by clicking on the desired layout icon. To switch to single camera display, double click on a particular sub-screen. Double click on the screen again to regain previous screen division layout.

Divide into 1 screen(s)	Divide into 4 screen(s)	Divide into 6 screen(s)	Divide into 9 screen(s)
Divide into 10 screen(s)	Divide into 13 screen(s)	Divide into 16 screen(s)	Divide into N screen(s)
Divide into 13 screen(s)	Divide into 17 screen(s)	Switch to Full screen	Rotate all screens

1. Main Console

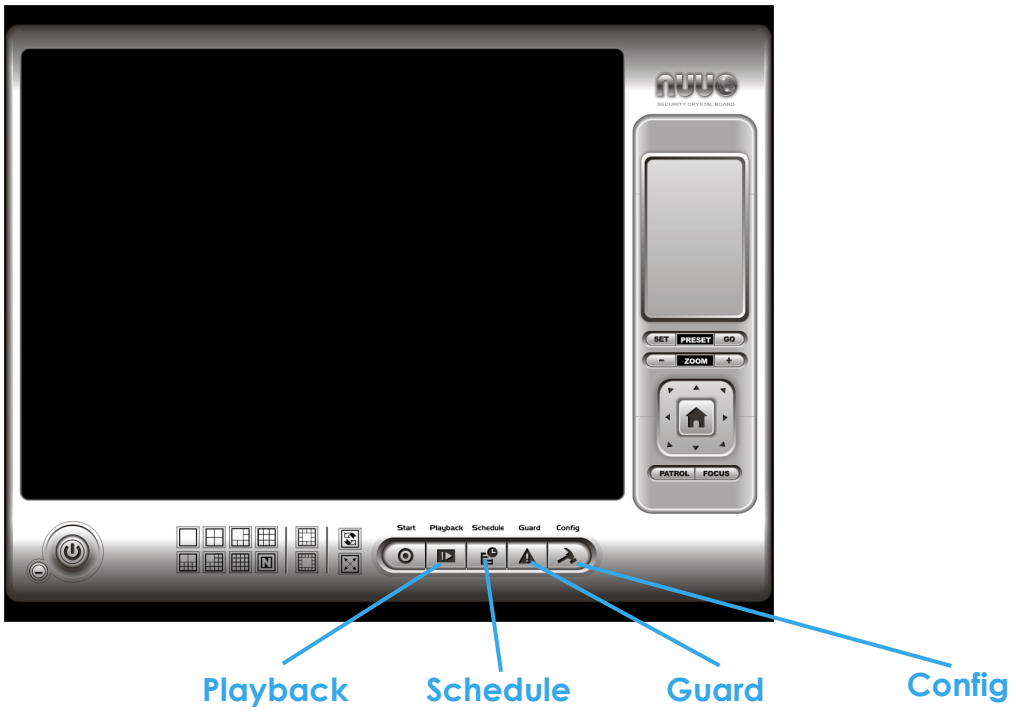
1.1 Start

START: Click on the Start icon and select from the drop down menu to activate/ deactivate: (a) Recording Schedule System, (b) Smart Guard System, or (c) Counting Application. Select Start/Stop Monitor All to activate/ deactivate all the functions at once.

You may also enable secondary display, open event report, and lock the system here. See page 83 for more details about secondary display.

Note: When activating any of the monitor functions, system considers the current screen status as normal. Therefore, if you want to, for example, detect Missing Object, be sure the object needed to be protected is in its position at the moment you click Start button.

1. Main Console



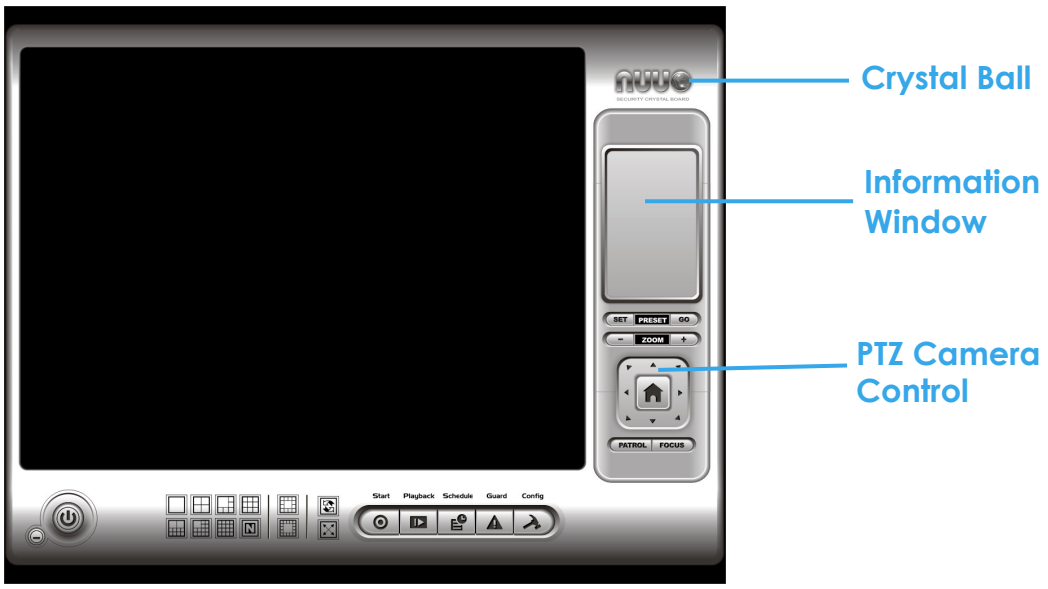
PLAYBACK: Click on the icon to get Playback Console. You can watch recorded video, search recorded video, adjust image of the stored data, save video/ pictures, print images, check log information and event records, and set up recording function configuration. See Playback on page 22 for detail.

SCHEDULE: Organize recording time schedule and setup recorder configuration. See Schedule on page 41 for detail.

GUARD: Add/edit type(s) of events that you want to detect; setup reaction(s) responding to events. See Guard on page 49 for detail.

CONFIG: Select from the drop down menu to modify general setting, save/ load configuration settings, start counting application, access log viewer and backup files, or setup network services. See Config on page 69 for detail.

1. Main Console



1.2 Crystal Ball: Indicate the working status of the system. Gray – at rest, Blue - recording, and Red – events detected. When the crystal ball is red, click it to cancel the event(s).

1.3 Information Window: Display date, time, free HD space, CPU temperature, fan speed, and customized text. To customize Information about window's setting, go to Config > General Setting > General

1.4 PTZ Camera Control: Control the movement of PTZ cameras. With cameras that support PTZ control, you can move, zoom, patrol, adjust the focus, and set preset points of the cameras.

1.4.1 Preset/ Go: Adjust the camera view until you are satisfied. Click on the Set icon and set up the view as the preset point 01. Adjust the camera view again and set up the preset point 02. Repeat the process until finish setting up all preset points. You can enter any names you like to instead of the preset point 01, preset point 02, preset point 03,…

Click on the Go icon and view the result of your setting.

1.4.2 Zoom: Click on the + and – signs to zoom in and zoom out the view.

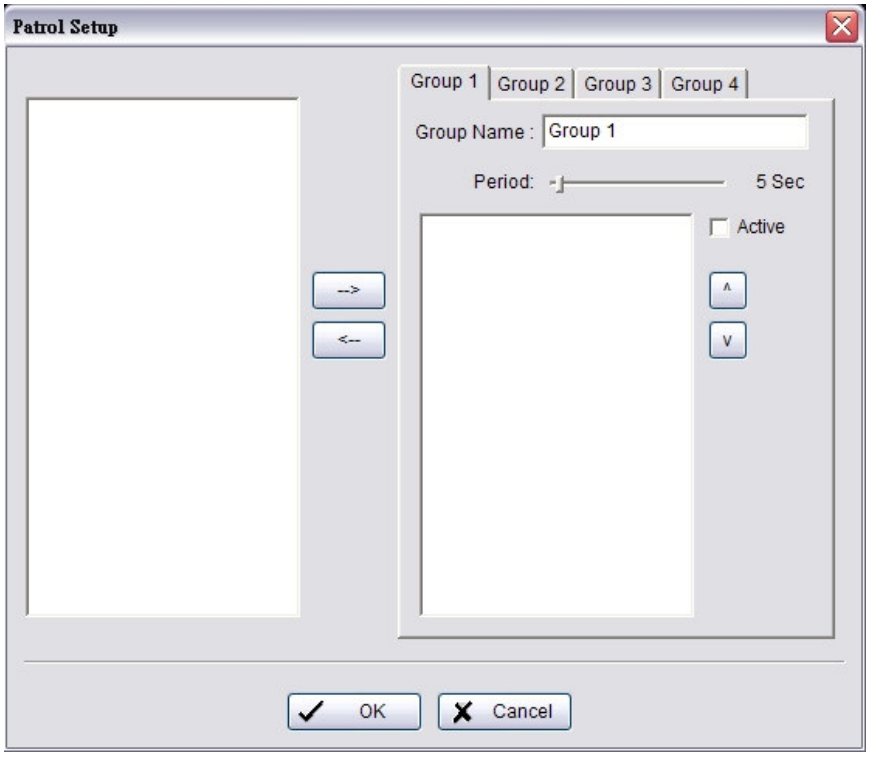
1. Main Console

1.4.3 Focus: You can select to have the camera focused near or far. To focus near means objects that are closer will be clearer than the objects that are further away. On contrast, to focus far means objects that are further will be clearer than the objects that are closer.

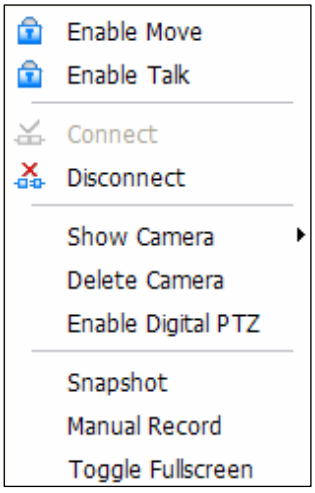
Click on the Focus icon and select auto focus if you want the system to decide the focus point for you.

1.4.4 Patrol: Go to Patrol > Set Patrol to obtain the Patrol Setup dialog. From the left window, select the cameras that you would like to have in the patrol group. Align the cameras in order in the right window and adjust the time. Rename the group name if you want. After completing the setup, check the Active option, and then click OK.

You can setup up to four groups of auto patrol. To start or stop, click on the Patrol icon in the Main Console, and select Start Patrol or Stop Patrol.



1.5 On Screen Menu



Right click on the camera screen and get the On Screen Menu, from which you can enable move, enable digital PTZ, and connect/ disconnect the camera.

1.5.1 Enable Move: With cameras that support PT function, by selecting the enable move function, you may adjust the camera's view by clicking on the display screen. To cancel this function, right click on the screen and select Disable Move.

Note: You can only work on current camera after clicking Enable Move.

1.5.2 Enable Talk: With cameras that support two-way audio, you may select enable talk to utilize the function.

1.5.3 Connect/ Disconnect: Right click on the display screen and select Connect/ Disconnect to modify the connecting status of the camera.

1.5.4 Show Camera: Select the camera to be displayed from the Show Camera Menu.

1.5.5 Delete Camera: Click on Delete Camera to remove a camera from the display screen. This does not delete the camera from the setting list.

1.5.6 Enable Digital PTZ: To enable the PTZ functions of the camera, select the Enable digital PTZ option. When enable digital PTZ, we can use mouse wheel to zoom in and zoom out on the camera.

Note: Enable Digital PTZ is the option function in IP+ software not in IP software

1.5.7 Snapshot: Select the snapshot function to capture a specific video image immediately. You have the options to copy the image to the clipboard or to save it.

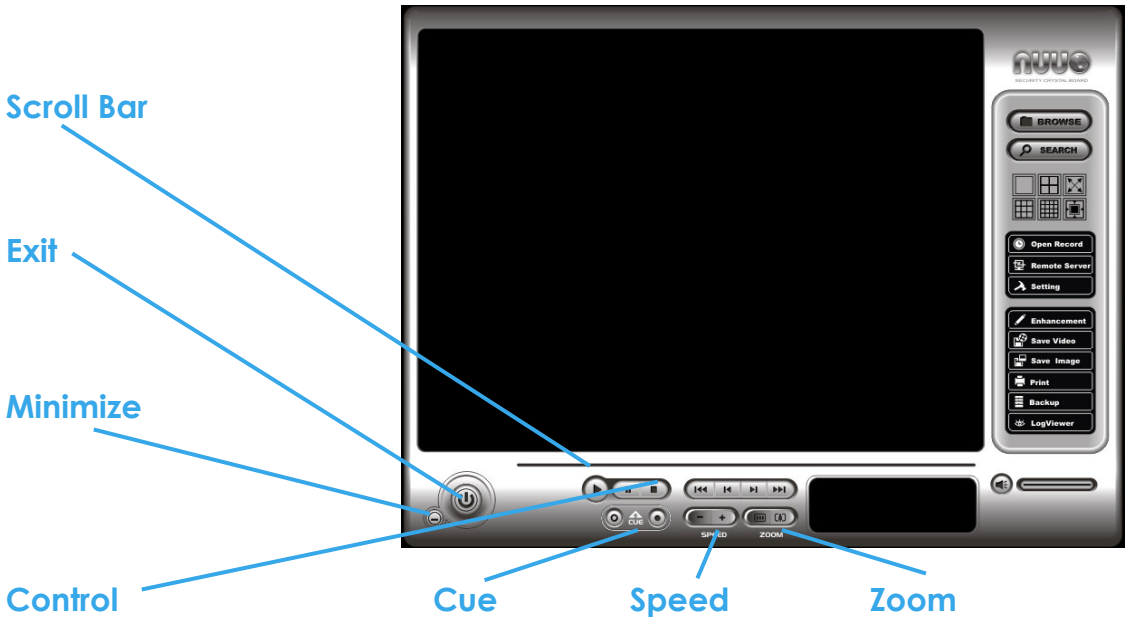
1.5.8 Manual Record: Start recording video by selecting manual record.

1.5.9 Toggle Full Screen: To view a specific channel with full screen.

2. Playback

Watch the recorded video, view and/or search for unusual events and recorded system information.

2. Playback



MINIMIZE: Minimize the Playback console.

EXIT: Shut down the Playback console.

SCROLL BAR: Indicate the status of the playing video; drag it to where you want to review.

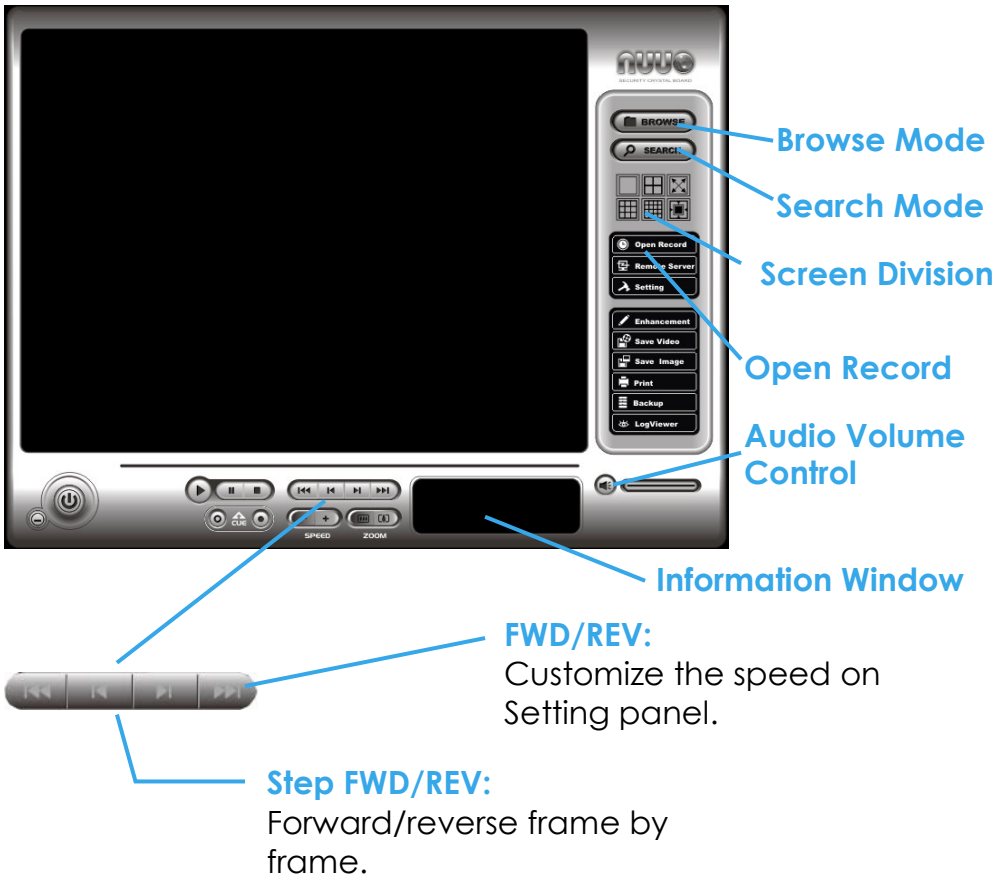
CONTROL: Play, pause and stop the video.

CUE: When playing video, click on the Cue In/ Cue Out icon at where you want to set as the starting/ ending point of a saved video clip. The Cue In and Cue Out time will be displayed on the Playback Information Window once they are set.

SPEED: Control the speed of the playing video. Click + to speed up and – to speed down.

ZOOM: Zoom in and zoom out. Get a close up view of the recorded video; move to the spot you want to view by dragging the screen.

2. Playback



2.1 Information Window: Display video date and time, current video status, cue in/ out points' time, and speed.

2.2 Audio Volume Control: Adjust the sound level.

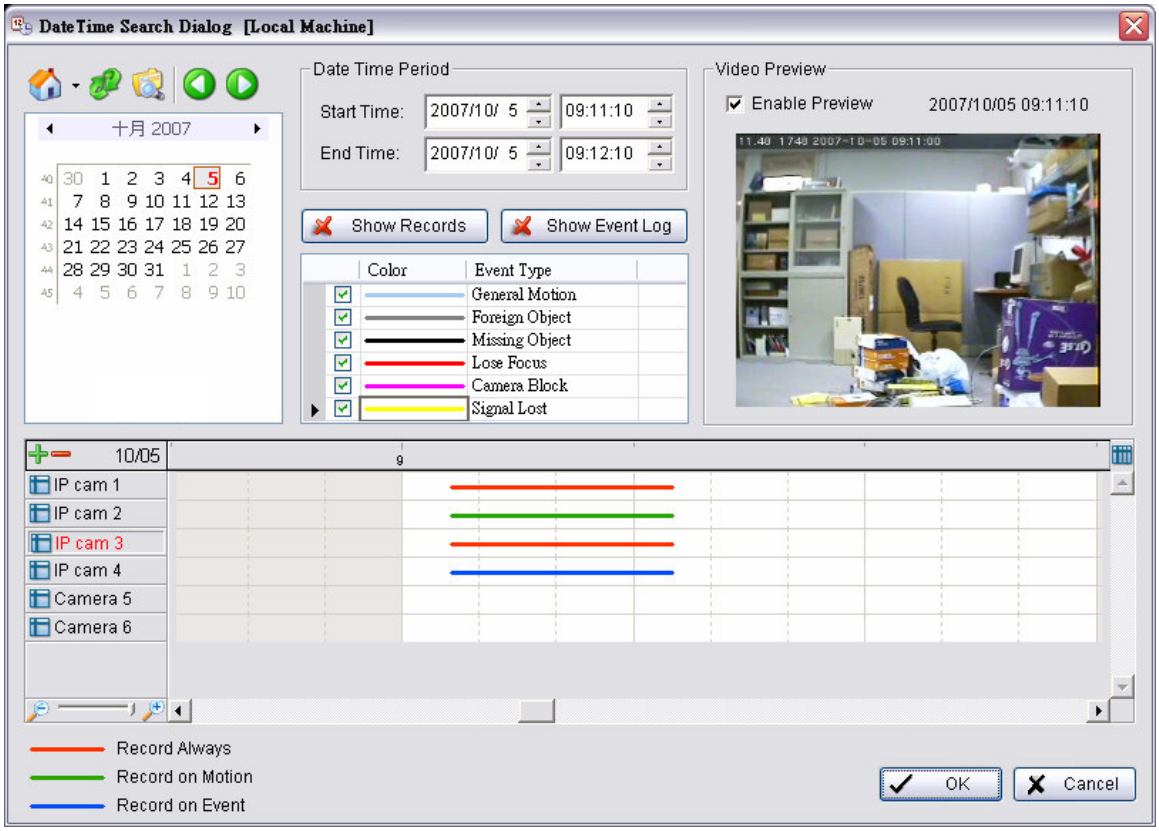
2.3 Screen Division: Allocate the sub-screen display by clicking on the desired layout icon. To switch to single camera display, double click on a particular sub-screen. Double click on the screen again to regain previous screen division layout.

2.4 Browse Mode: Play the recorded video.

2.5 Open Record: Click on Open Record button to access the Date-Time Panel and withdraw the video record that you want to review.

2. Playback

2.5.1 Date Time Panel



2.5.2 Record Display Window: The record display window shows the information of the available video clips. It may show in calendar or list control view. For further details about how to modify the record display window view, see page 39.

Click on the icon on the top of the display window to obtain the Remote Playback Site Management dialog. You may select to access local machine or set up remote playback server. See page 40 for more details about setting up the remote playback server.

Click on the icon to refresh the record display window, and click on the icon to access the log viewer dialog. See Page 35 for more details about the log viewer dialog. Additionally, utilize the icons to go to previous and next recording Date.

2. Playback

2.5.3 Date Time Period: Select the start and end time points that indicate the time period you would like to view.

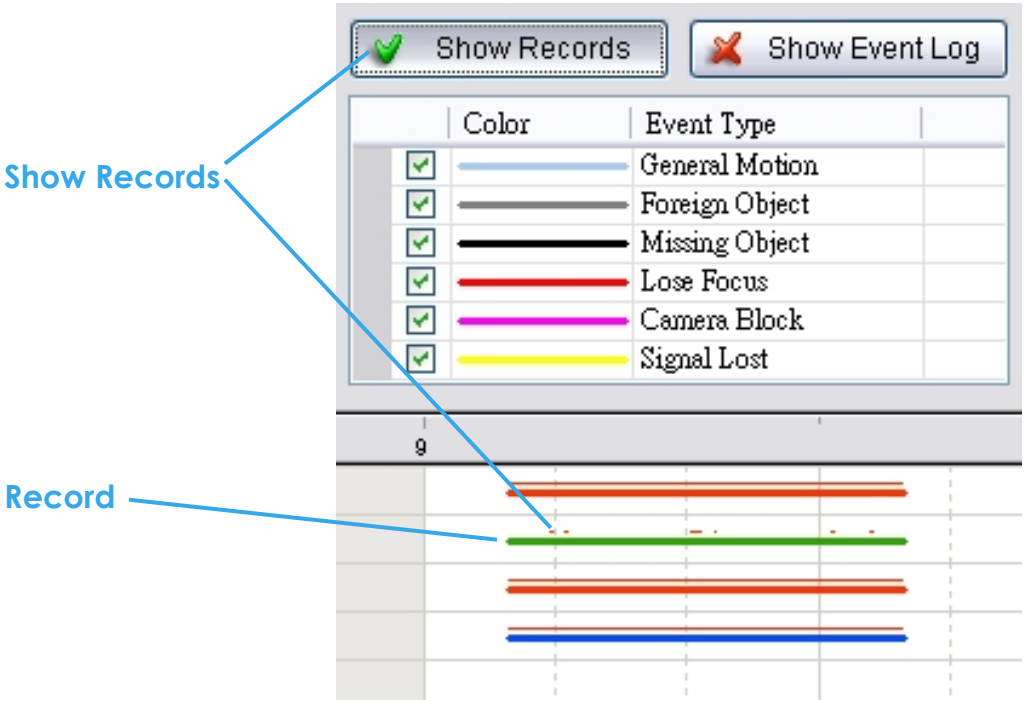
2.5.4 Video Preview: Check the enable preview option to view the selected video.

2.5.5 Event Type: There are 6 event types; see Chapter 4 Guard for details. You may set up different colors for different event types to help you select events.

2.5.6 Time Table:

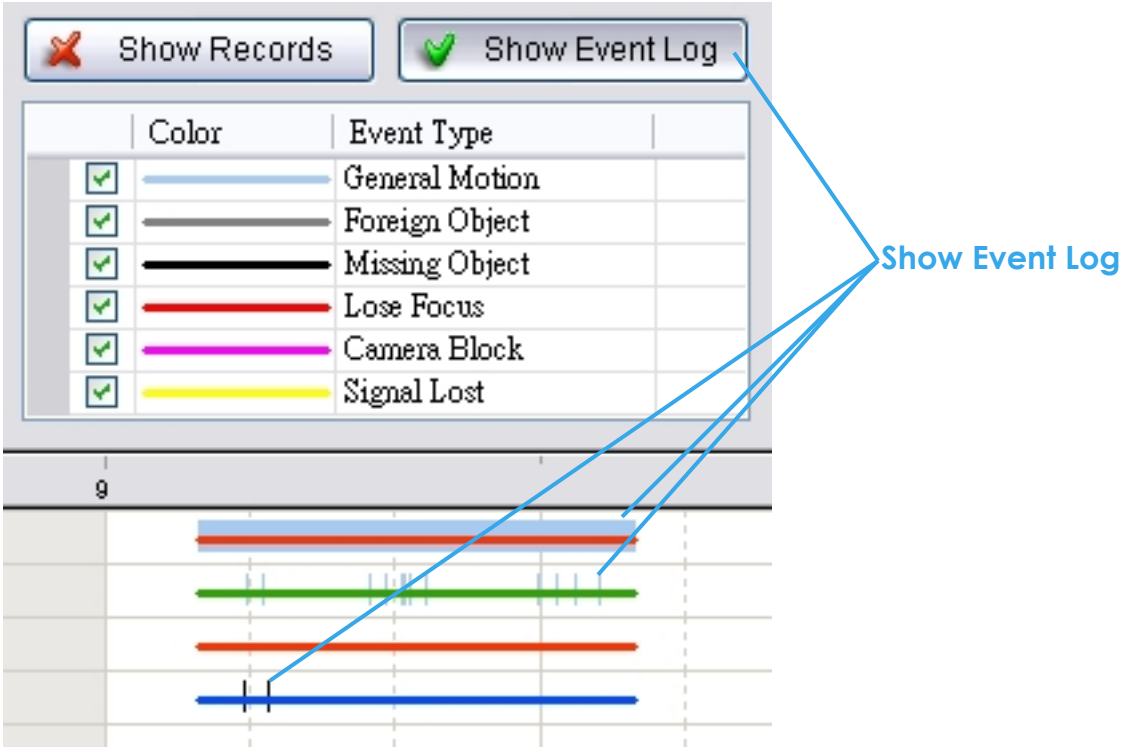
Utilize the icon to select all channels; also utilize the icon to deselect all channels. Finally, utilize the scale bar to modify the scale of the time table.

To pressure the button "Show Records" makes Time Table show the period of recording data like below:



2. Playback

To pressure the button "Show Event Log" makes Time Table show the time of event detection like below:



2.5.7 To Withdraw the Record:

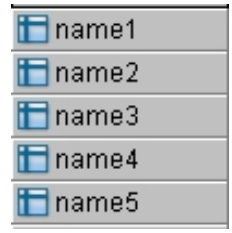
Step 1: From the record display window at the top left of the Date Time Panel, select the date you want to withdraw the record from. The red/green/blue lines shown on the time table indicate available recorded video records.

Note: The record display window can be shown in (a) calendar view or (b) list control view. To modify the setting of the record display window, click on the Setting button at the right of the Playback Console. See page 39 for more details.

Step 2: Use color bars to differentiate event types from each other. This will help you select video clips.

2. Playback

Step 3: Highlight the video clip you want to review by left-clicking and dragging the time period. You may also utilize the Start Time and End Time in Date Time Period Section. In addition, modify the scale of the time table with the + and – signs on the bottom left.



Step 4: Check the Enable Preview option to get the preview of the video you select.

Step 5: Click the camera name to increase or decrease cameras you want to playback.

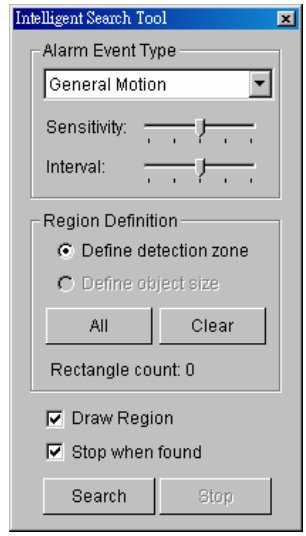
Step 6: Click OK when completing the setting.

2.6 Search Mode: Click on the Search Mode icon to obtain the Intelligent Search Tool panel. You can setup unusual events here to detect abnormality occurred during the recoding period.

Intelligent Search Tool Panel: Click on the Search Mode icon and get the Intelligent Search Tool panel. Set up unusual events here to detect abnormality that occurred during the recording period.

There are 5 types of unusual events: General Motion, Foreign Object, Missing Object, Lose Focus, and Camera Occlusion.

2.6.1 Unusual Event-General Motion



General Motion: Detect all movements in the defined area.

Define Detection Zone: Left click and drag to draw a detection zone. You may define more than one zone on the screen by repeating the process.

Sensitivity: Modify the sensitivity setting by changing the slider control. Move toward right will increase the sensitivity level, which means a relatively small movement will trigger the alarm; in contrast, move the slider control toward left will reduce the sensitivity for movement detection.

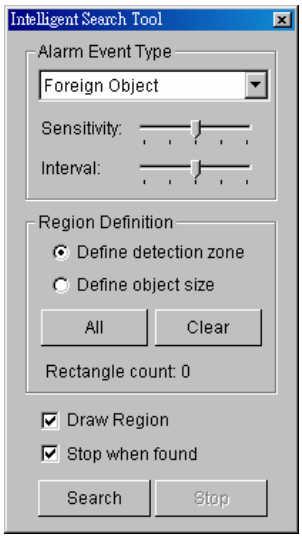
Set up an appropriate sensitivity level reduces the frequency of false alarm. For instance, you can lower the sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Move the slider control to the **right to increase** time interval so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the time interval.

Stop When Found: Check the option to have the video stopped when detecting motion in the detection zone. Uncheck the option to have video kept rolling, and all detected events will show on the list in search result box. Click on the listed event in the box to jump to the point in the video where a motion is detected.

2. Playback

2.6.2 Unusual Event-Foreign Object



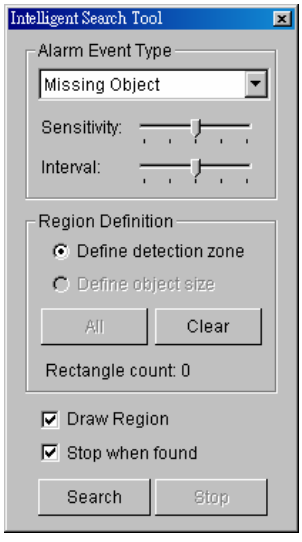
Foreign Object: Alarm is set off when any additional object appears in the defined area on the screen.

Define detection zone: Before detecting foreign object, it is required to define a detection area. In order to do so, left click and drag on the screen. Alarm will be triggered when any additional object appears in the detection zone.

Define object size: Drag and draw on the screen to define the size of a foreign object.

Sensitivity: Modify the sensitivity setting by changing the slider control. Move toward right will increase the sensitivity level, which means a relatively small movement will trigger the alarm; in contrast, move the slider control toward left will reduce the sensitivity for movement detection.

Interval: Click and move the slider control to the **right to increase** time interval so that the alarm will only be triggered when the object has been removed from the area for longer. Move to the **left to reduce** the time interval.



Set up an appropriate Interval value will reduce the chance of false alarm. For example, you can lower the Interval to avoid the alarm being triggered by a pedestrian.

2.6.3 Unusual Event-Missing Object

Missing Object: Alarm is set off when the selected object is removed from the defined area on the screen.

Define detection zone: Before detecting missing object, it is required to define a detection zone. Left click and drag to draw a detection zone. Alarm will be triggered when the defined object is removed from the detection zone.

2. Playback

Define object size: This tells the System how big the defined object is. Drag and draw a square that is about the same size as the object that you want to protect on the screen.

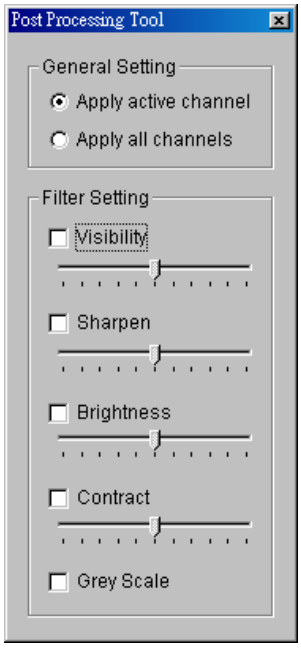
Sensitivity: Modify the sensitivity setting by changing the slider control. Move toward right will increase the sensitivity level and a relatively small movement will trigger the alarm; in contrast, move the slider control toward left will reduce the sensitivity for movement detection.

Interval: Click and move the slider control to the **right to increase** time interval so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the time interval.

2.6.4 Unusual Event-Lose Focus/ Camera Occlusion

Lose Focus: System will inform you when the camera(s) lose its focus.

Camera Occlusion: Alarms when any of the cameras is blocked.



2.7 Enhancement

2.7.1 General Setting: Check the option and chose whether you want to apply the setting to all the channels or only to those currently shown on the screen.

2.7.2 Filter Setting

Visibility: Check the option and adjust the gamma value of the image to enhance the image and make it cleaner.

Sharpen: Check the option to activate the function. Move the slider control to the right to sharpen the image, to the left to soften it.

Brightness: Check the option to activate the function. Move the slider control to the right to make the image brighter.

2. Playback

Contrast: Check the option to activate the function. Move the slider control to the **right to increase** contrast.

Grey Scale: Check the option to show the record in grey scale mode so the image displays in black and white.

2.8 Save Video

Step 1: Click on the display screen to choose the camera display that you want to save as a video clip.

Step 2: Set up the cue in and cue out points; the cue in and cue out time will show on the information window.

Step 3: Click Save Video icon, choose the folder where you want to save the file at, enter the file name and click SAVE. You may export (i.e. save) the record with both audio and video or video only.

Step 4: Choose the compression format and then save the video.

2.9 Save Image

Step 1: Click on the display screen to choose the camera display from which you want to save pictures.

Step 2: Click Save Image button when the image you want is shown on the screen. You may click Pause to freeze the video, use Step Forward/ Step Backward function to find the picture(s) that you want to save.

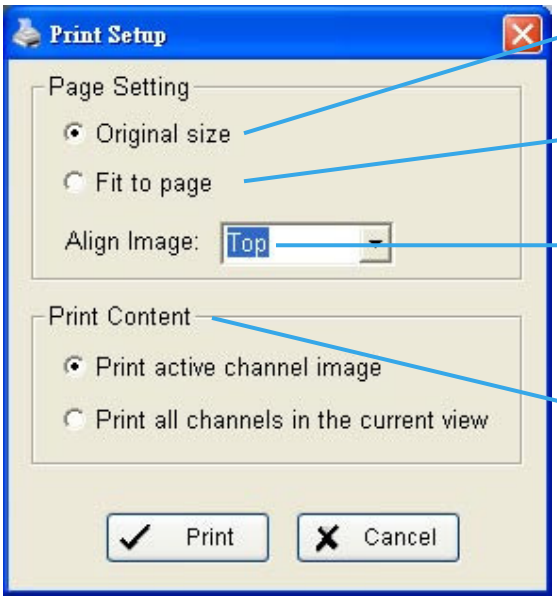
Step 3: Choose the folder and the format of image (BMP or JPEG) you prefer and then click save.

Note: You may skip step 3 by pre-setting a folder and format that you want to save the images.

2. Playback

2.10 Print

Print the current image of the video you choose.



Print in original size: Select to have the image print in original size.

Fit the page: Select to have the image fit the page.

Align Image: Top, Center, or Bottom

Print Content: Print the image from currently selected channel or all the channels shown on the screen.

2.11 Backup

Different from Save Video, the Backup function saves everything from the Playback panel, including log information.

You can start a full function Playback Console and load the backup files into it on any PC with Windows operating system. This means you may monitor the real time video and work on the backup files on separate computers simultaneously.

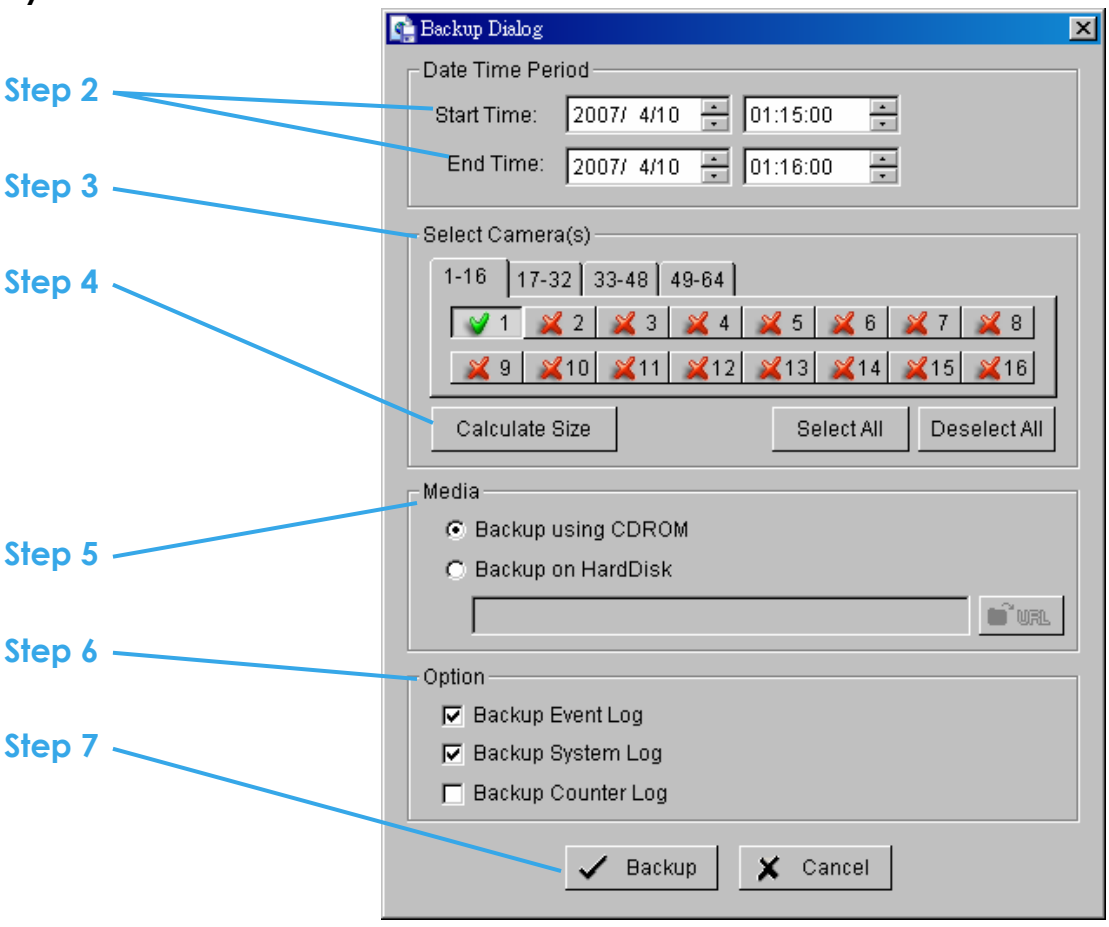
Step 1: Press the "Open Record" to select data and press "Backup".

Step 2: You can adjust the Start Time and End Time you want to backup.

Step 3: You can adjust the Cameras you want to backup.

Step 4: You can calculate the size of the backup data.

2. Playback



Step 5: Select the directory you want to save the backup data.

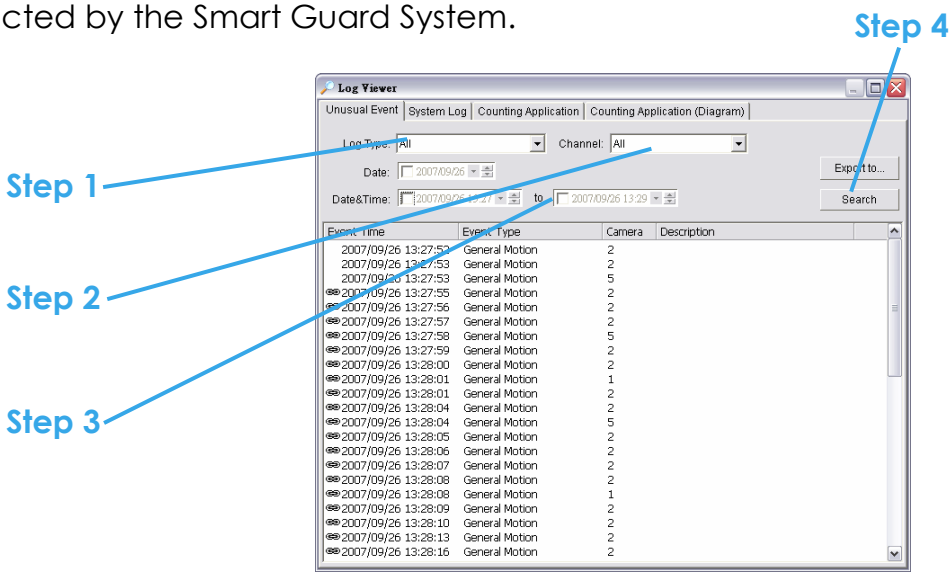
Step 6: Check the log you want to backup.

Step 7: Press the "Backup" to start backing up.

2. Playback

2.12 Log Viewer

2.12.1 Unusual Event: View the unusual event history that had been detected by the Smart Guard System.



Step1: Choose the type of events you wish to view or select "All" from the drop-down menu to view all types of events.

Step 2: Choose the camera channel you wish to view or select "All" for all the channels available.

Step 3: You can either view the events that happened on a particular date or during a given time period. To search and view unusual event on a particular date, check the option right next to "Date" and select a specific date.

You may also point out two different time points and search for unusual event happened during the period. Check the options in the Date &Time columns and enter the date and time.

Step 4: Click Search

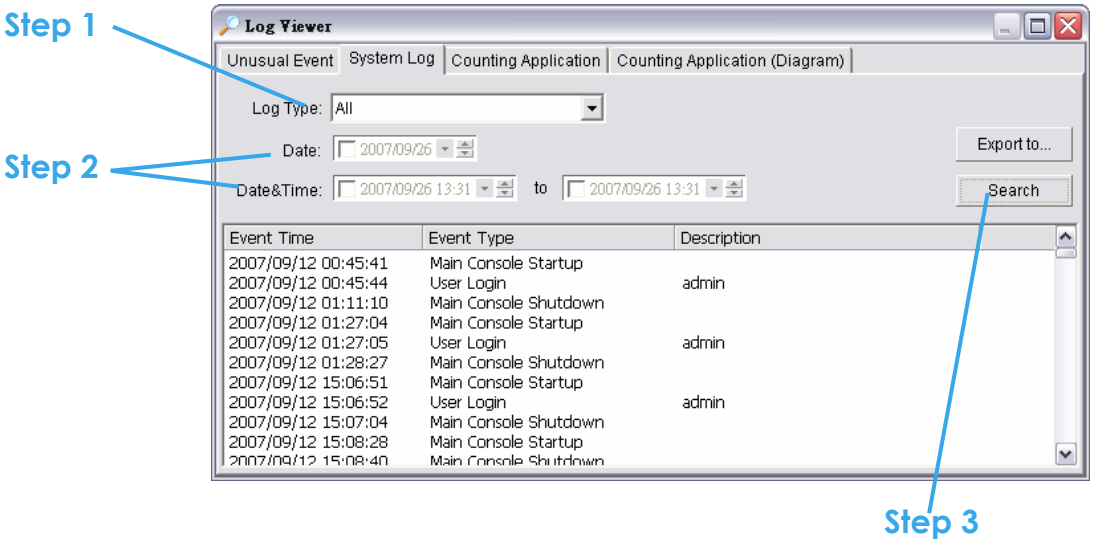
Note: When working with a video record,

1. Log Viewer will search for Unusual Event in the video record in Date & Time mode, start from the beginning to the end of the record, which is the default setting of the system.

2. Playback

2. A link (🔗) will appear right next to each event time. By clicking on the link, the video will jump to the point where the unusual event takes place.

2.12.2 System Log: Select **Log Type** form the drop-down menu. There are total 22 types of log types, including:



1. Main Console Startup
2. Main Console Shutdown
3. User Login
4. User Login Failed
5. Start Schedule
6. Stop Schedule
7. Execute Recycle
8. Execute Backup
9. Enable Channel
10. Disable Channel
11. Start Smart Guard
12. Stop Smart Guard
13. Modify Smart Guard
14. Modify Schedule
15. Modify Configuration
16. Start Live Streaming Server
17. Stop Live Streaming Server
18. Modify Live Streaming Server
19. Start Remote Playback Server
20. Stop Remote Playback Server
21. Modify Remote Playback Server
22. IP Camera Connection Lost

Step1: Choose the type of event you wish the check or select "All" from the drop-down menu and view all types of events.

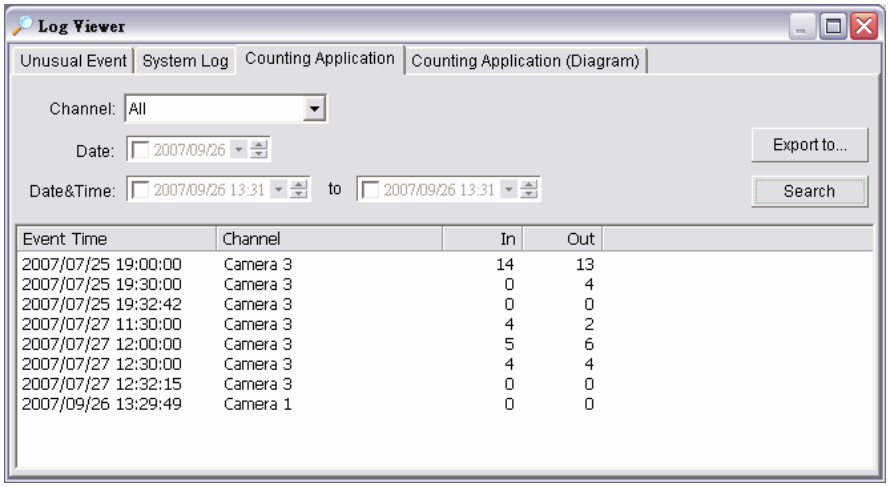
Step 2: You can either view the events that happened on a particular date or during a given time period. To search and view unusual event on a particular date, check the option right next to "Date" and select a specific date.

You may also point out two different time points and search for unusual event happened during the period. Check the options in the Date &Time columns and enter the date and time.

Step 3: Click **Search**.

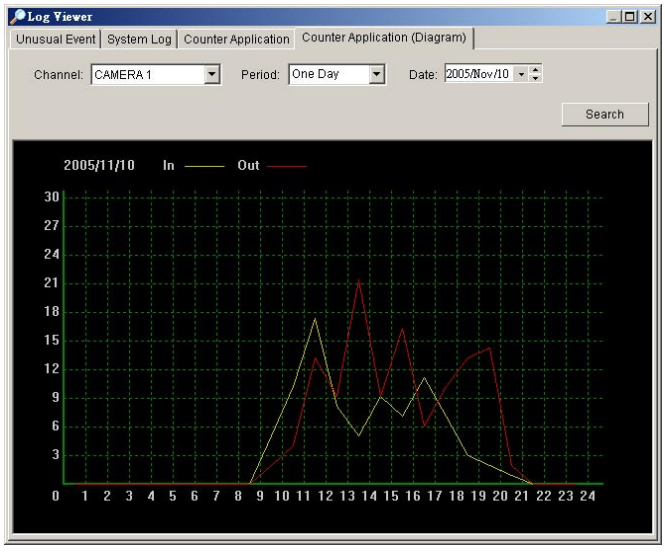
2.12.3 Counting Application

You can see the results of Counting Application during the time period you set.


Log Viewer
Unusual Event
System Log
Counting Application
Counting Application (Diagram)
Channel: All
Date: 2007/09/26
Date&Time: 2007/09/26 13:31 to 2007/09/26 13:31
Export to...
Search
Event Time | Channel | In | Out
2007/07/25 19:00:00 | Camera 3 | 14 | 13
2007/07/25 19:30:00 | Camera 3 | 0 | 4
2007/07/25 19:32:42 | Camera 3 | 0 | 0
2007/07/27 11:30:00 | Camera 3 | 4 | 2
2007/07/27 12:00:00 | Camera 3 | 5 | 6
2007/07/27 12:30:00 | Camera 3 | 4 | 4
2007/07/27 12:32:15 | Camera 3 | 0 | 0
2007/09/26 13:29:49 | Camera 1 | 0 | 0

2.12.4 Counting Application (Diagram)

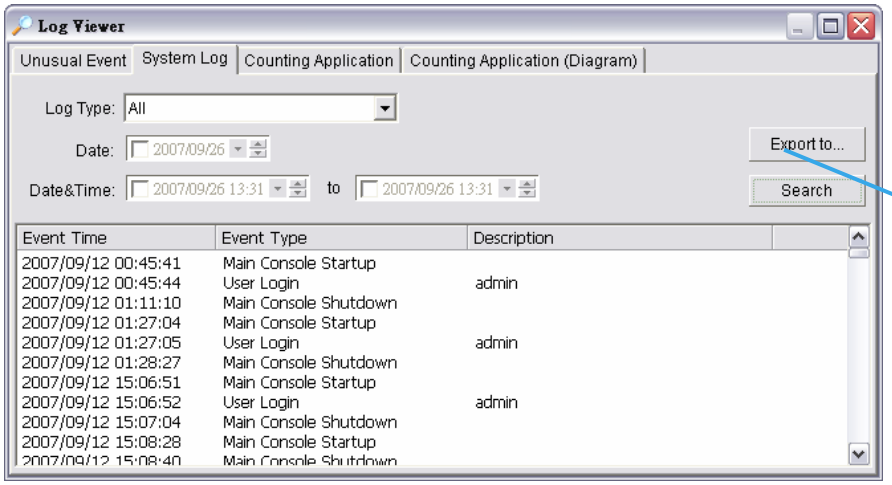
The Counting Application result data will show in a diagram.



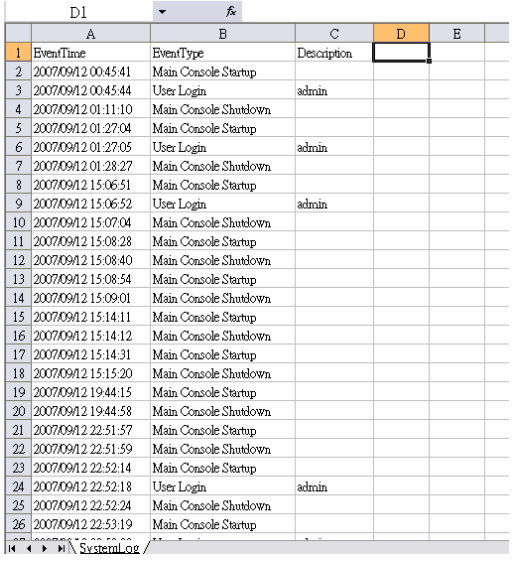
2. Playback

2.12.5 Export

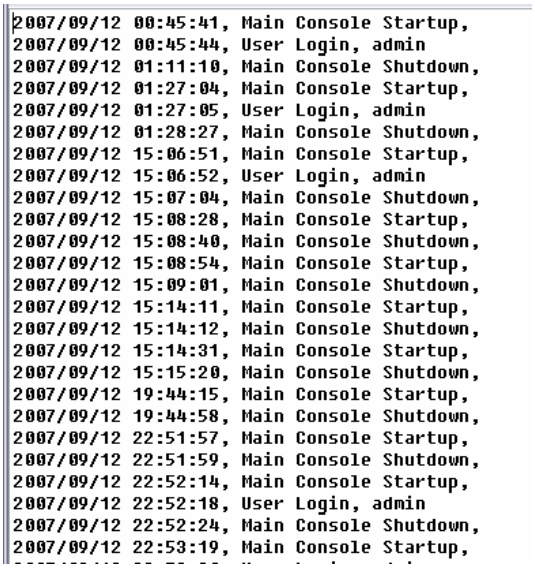
After search the log you want, you can export to .xls or .txt file.



Step1: Press the button “Export to”.
Step2: Type the file name and choose the file format (.xls or .txt).



	A	B	C	D	E
1	EventTime	EventType	Description		
2	2007/09/12 00:45:41	Main Console Startup			
3	2007/09/12 00:45:44	User Login	admin		
4	2007/09/12 01:11:10	Main Console Shutdown			
5	2007/09/12 01:27:04	Main Console Startup			
6	2007/09/12 01:27:05	User Login	admin		
7	2007/09/12 01:28:27	Main Console Shutdown			
8	2007/09/12 15:06:51	Main Console Startup			
9	2007/09/12 15:06:52	User Login	admin		
10	2007/09/12 15:07:04	Main Console Shutdown			
11	2007/09/12 15:08:28	Main Console Startup			
12	2007/09/12 15:08:40	Main Console Shutdown			
13	2007/09/12 15:08:54	Main Console Startup			
14	2007/09/12 15:09:01	Main Console Shutdown			
15	2007/09/12 15:14:11	Main Console Startup			
16	2007/09/12 15:14:12	Main Console Shutdown			
17	2007/09/12 15:14:31	Main Console Startup			
18	2007/09/12 15:15:20	Main Console Shutdown			
19	2007/09/12 19:44:15	Main Console Startup			
20	2007/09/12 19:44:58	Main Console Shutdown			
21	2007/09/12 22:51:57	Main Console Startup			
22	2007/09/12 22:51:59	Main Console Shutdown			
23	2007/09/12 22:52:14	Main Console Startup			
24	2007/09/12 22:52:18	User Login	admin		
25	2007/09/12 22:52:24	Main Console Shutdown			
26	2007/09/12 22:53:19	Main Console Startup			



```
2007/09/12 00:45:41, Main Console Startup,
2007/09/12 00:45:44, User Login, admin
2007/09/12 01:11:10, Main Console Shutdown,
2007/09/12 01:27:04, Main Console Startup,
2007/09/12 01:27:05, User Login, admin
2007/09/12 01:28:27, Main Console Shutdown,
2007/09/12 15:06:51, Main Console Startup,
2007/09/12 15:06:52, User Login, admin
2007/09/12 15:07:04, Main Console Shutdown,
2007/09/12 15:08:28, Main Console Startup,
2007/09/12 15:08:40, Main Console Shutdown,
2007/09/12 15:08:54, Main Console Startup,
2007/09/12 15:09:01, Main Console Shutdown,
2007/09/12 15:14:11, Main Console Startup,
2007/09/12 15:14:12, Main Console Shutdown,
2007/09/12 15:14:31, Main Console Startup,
2007/09/12 15:15:20, Main Console Shutdown,
2007/09/12 19:44:15, Main Console Startup,
2007/09/12 19:44:58, Main Console Shutdown,
2007/09/12 22:51:57, Main Console Startup,
2007/09/12 22:51:59, Main Console Shutdown,
2007/09/12 22:52:14, Main Console Startup,
2007/09/12 22:52:18, User Login, admin
2007/09/12 22:52:24, Main Console Shutdown,
2007/09/12 22:53:19, Main Console Startup,
```

.xls **.txt**

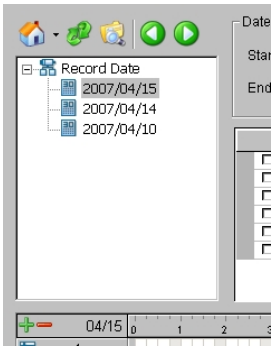
2. Playback

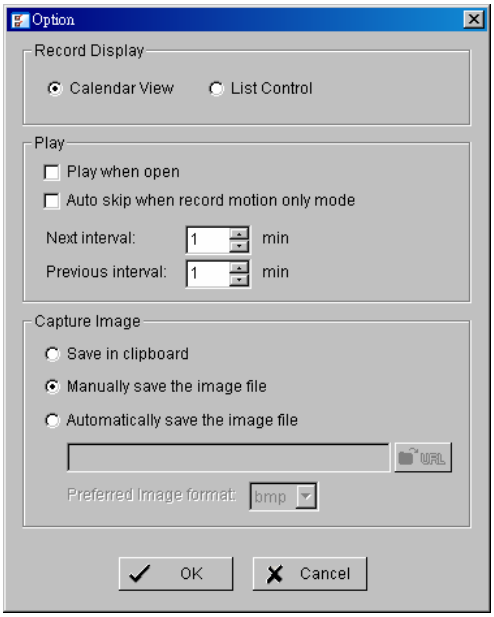
2.13 Setting

2.13.1 Record Display

Calendar View: Make the record display windows as calendar view.

List Control: Make the record display windows as list control.





2.13.2 Play

Play when open: Check the option and set the system to start playing the video clip every time when a record is withdrew.

Auto skip when record motion only mode: Check the option to set up the system to automatically skip to the points where there were motions recorded.

Next interval: Set the interval with which the video goes forward when you click on the Next icon on the control panel.

Previous interval: Set the interval with which the video goes backward when you click on the Previous icon on the control panel.

2.13.3 Capture Image: Setup how you want to save image.

Save in clipboard: The image will be saved in the clipboard and can be pasted on other application software.

2. Playback

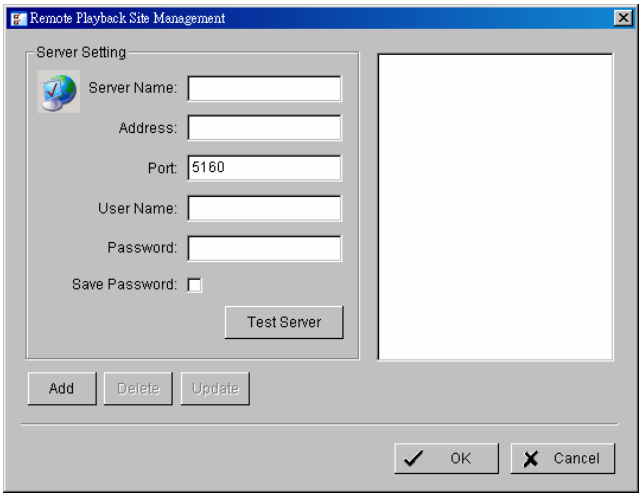
Manually save the image file: You can manually select where you want to save the image, name the saved file, and choose the format you want to save the image.

Automatically save the image file: By pre-setting a path/URL and the image format, the system will automatically save the image accordingly when you click the Save button in the control panel.

2.14 Remote Server

2.14.1 Add Remote Playback Site

Pressing the "Remote Sever" can go to remote playback site management to add and setup the remote playback site.



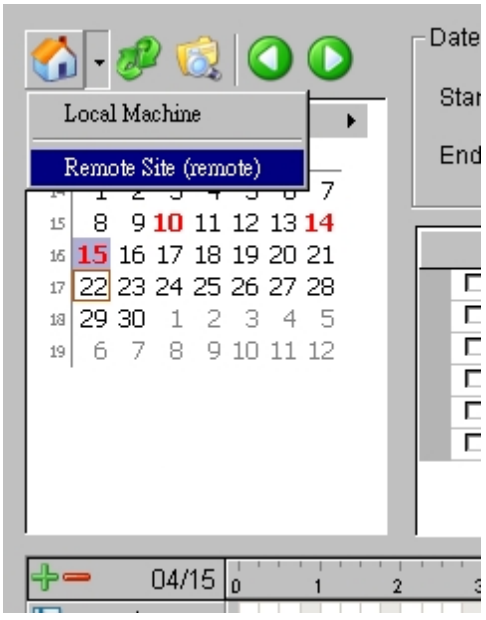
Step 1: Enter the IP address or DNS, Port, Username, and Password.

Step 2: Click "Add" to add the server.

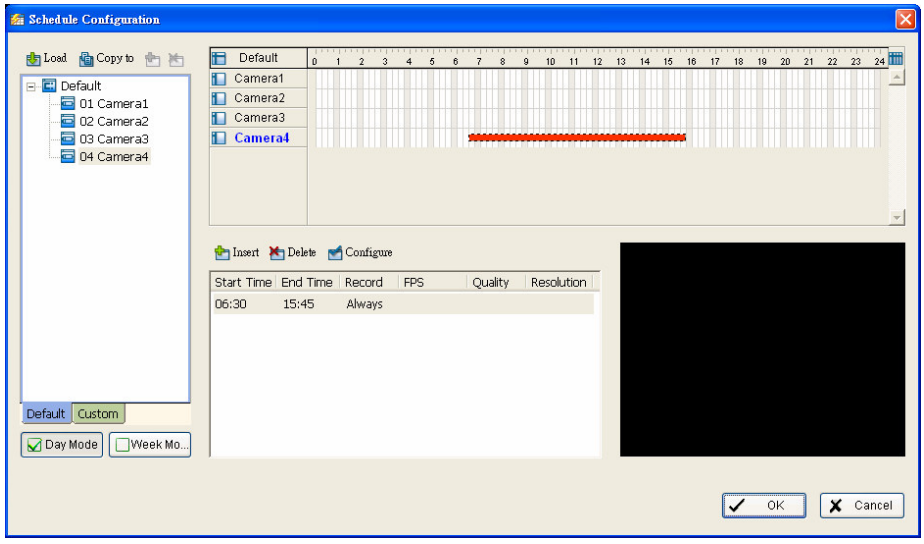
Step 3: Click OK to exit the Setting panel.

2.14.2 Access Remote Playback Site

Go to Date Time Panel and click on the icon on the top of the display window to access the Remote Playback Site

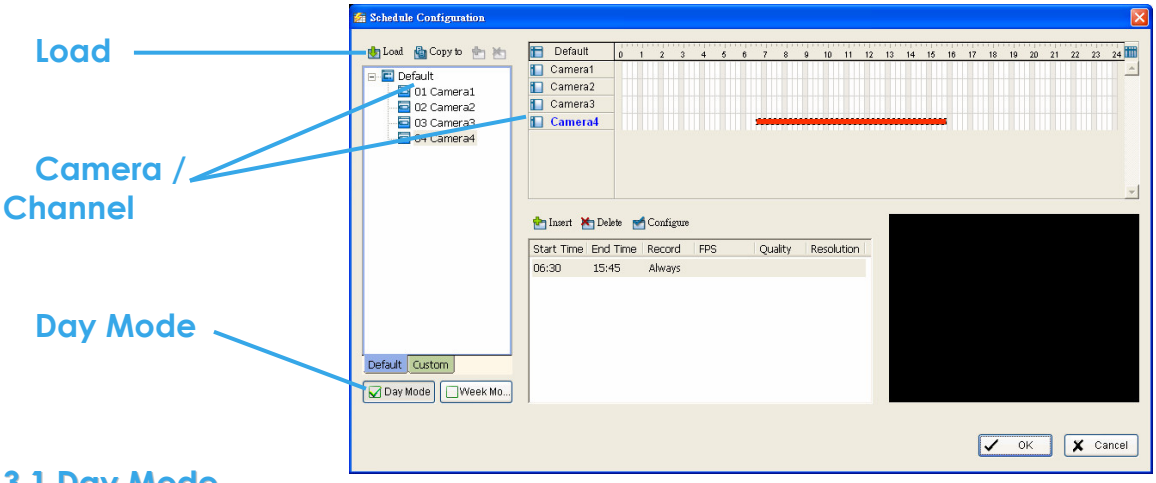


3. Schedule



Click on the Schedule icon on the Main Console and set up the time duration for video recording on the schedule configuration panel.

3. Schedule



3.1 Day Mode

Schedule the cameras to turn the recorder on and off at the same time every day according to your setting.

To setup the time schedule for each camera, you may
1. **Load** the preset modes or
2. **Insert** a new schedule manually

3.2 Load Preset Modes

Click on the **Load** icon for the drop-down menu.

Regular Mode: Video recording 24 hours a day with the setting of 30 FPS (frames per second), Normal video quality and Normal resolution.

Office Mode: Video recording from 8 am to 8 pm (08:00 – 20:00, shown on the red bar in the Schedule Configuration panel) with 30 FPS, Normal video quality, and Normal resolution.

Shop Mode: Video recording from 10 am to 10 pm (10:00 – 22:00) with 30 FPS, Normal video quality, and Normal resolution.

High Security Mode: Video recording 24 hours a day with the setting of 30 FPS, the highest video quality, and High resolution.

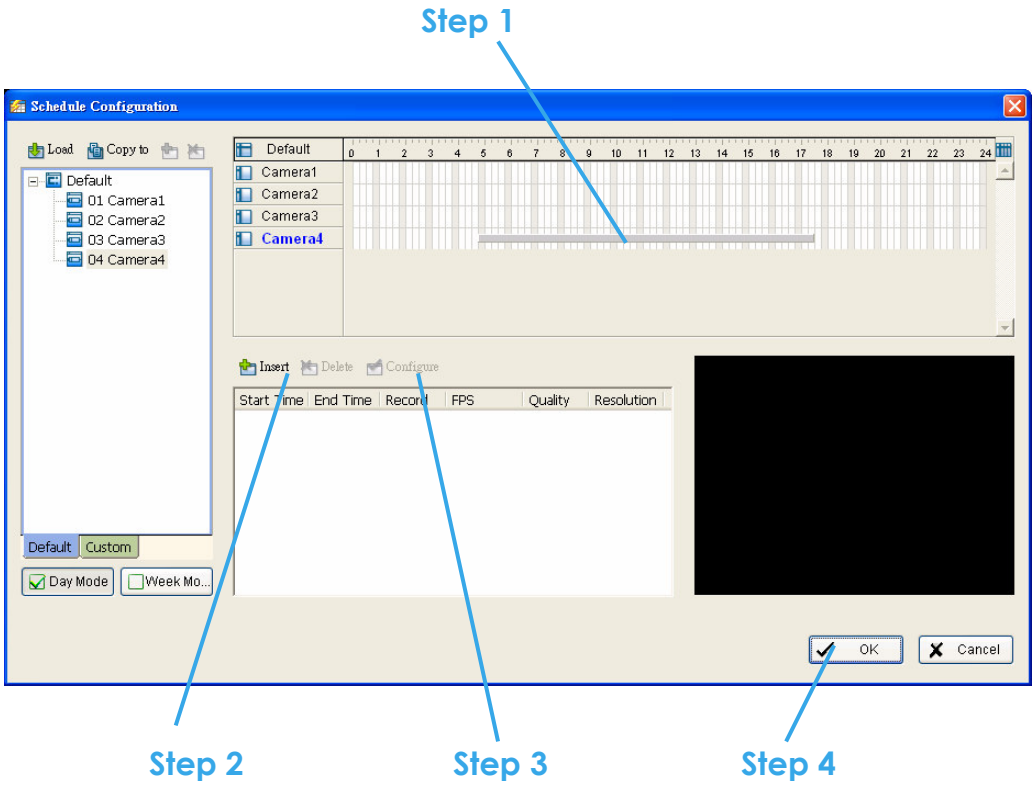
Disk Saving Mode: The system will start recording only when a motion is detected on the screen, 24 hours a day (shown on the green bar in the Schedule Configuration panel), with the setting of 30 FPS, Normal quality, and Normal resolution. You can adjust the sensitivity, interval, and area of motion detection in the Schedule Configuration.

3. Schedule

Minor Mode: The system will start recording only when a motion is detected on the screen, 24 hours a day (shown on the green bar in the Schedule Configuration panel), with the setting of 15 FPS, Low quality, and Low resolution. You can adjust the sensitivity, interval and area of motion detection in the Schedule Configuration.

3.3 Insert a New Schedule Manually

Step 1: Left-click and draw the bar you want to the time table. The scheduled time will show as a grey bar.



Step 2: Click the **Insert** icon and add a new schedule in the Regular Mode, i.e. to record video during the time period you set with 30 FPS, Normal video quality, and Normal resolution.

Step 3: Change the setting if wished by clicking on the **Configure** icon (See page 46) or double click the **schedule information**.

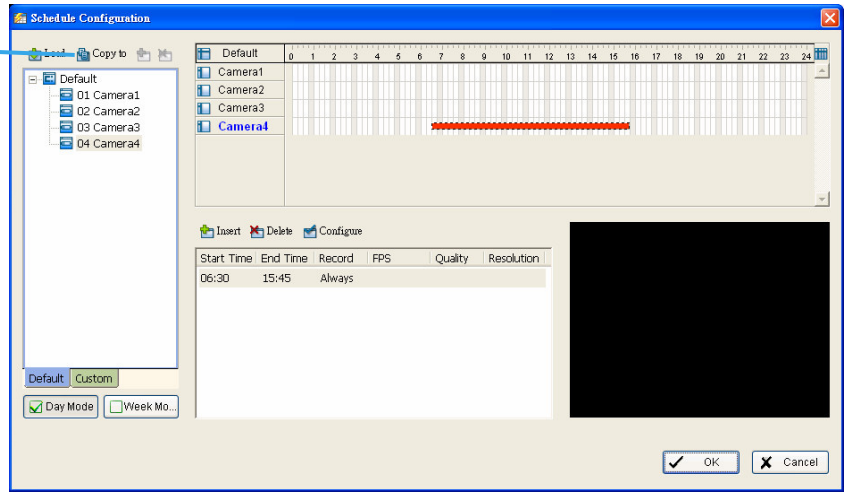
Step 4: Click OK.

3. Schedule

3.4 Copy Schedule

You may set up the schedule for each channel/camera by repeating the process above, or simply apply the setting of a single camera to all the others.

Copy To



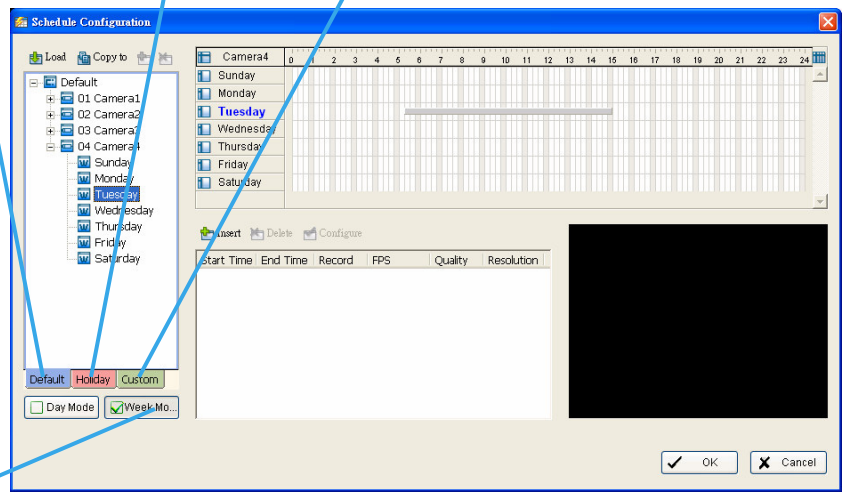
3.5 Week Mode

Schedule the cameras for each day of the week differently. In addition, you may assign extra holidays under the Week Mode.

Default

Holiday

Custom



Week Mode

3. Schedule

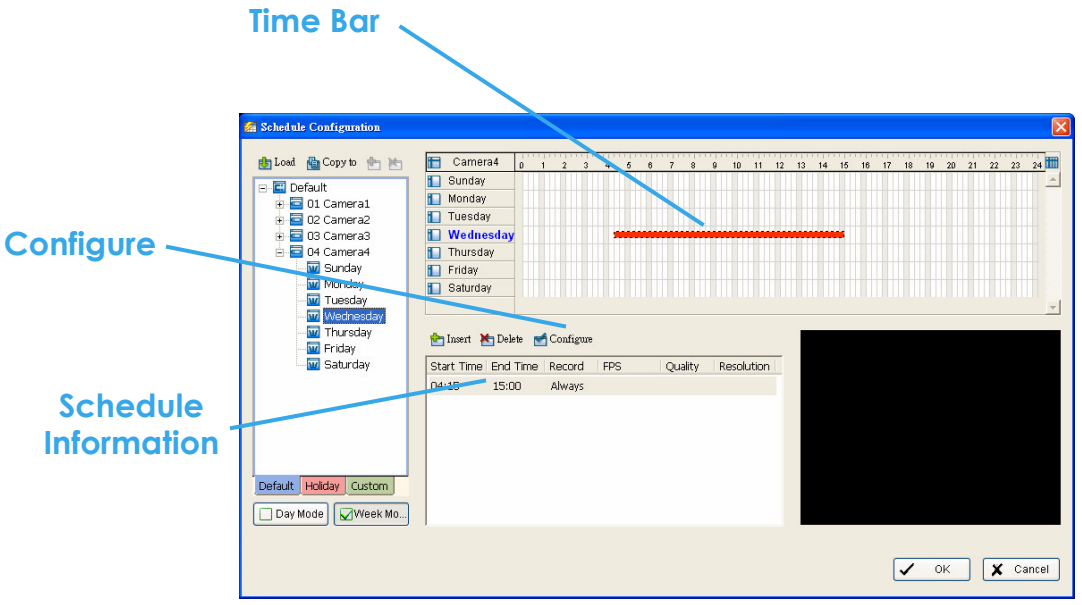
3.5.1 Default: Follow the same process to setup the schedule for every day in a week.

3.5.2 Holiday: You may assign holidays where the system will work according to the setting of Sunday.

3.5.3 Custom: You can assign a particular date(s) on which the system will work according to a special schedule(s) different from the others.

3.6 Adjust the Scheduled Setting: You can manually change the setting at any time after you insert or load a period of schedule.

Option 1: Move the cursor to the **Time Bar** and change the length or move the bar sideway to change the start and end points.

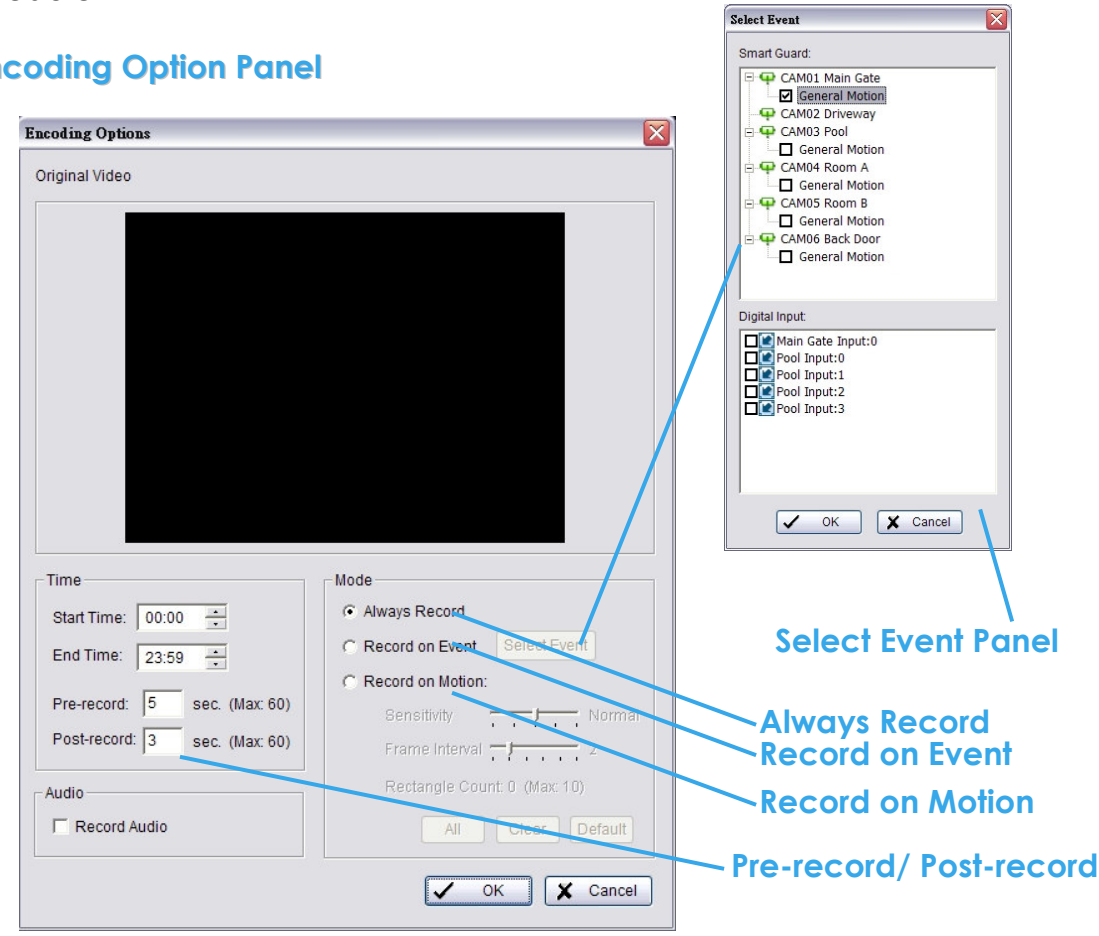


Option 2: Click on the Configure icon or double click on schedule information on the screen (highlighted in blue) to obtain the Encoding Option panel (see page 46) and change the setting as wished.

Configure: Click on the configure icon to obtain the Encoding Option panel.

3. Schedule

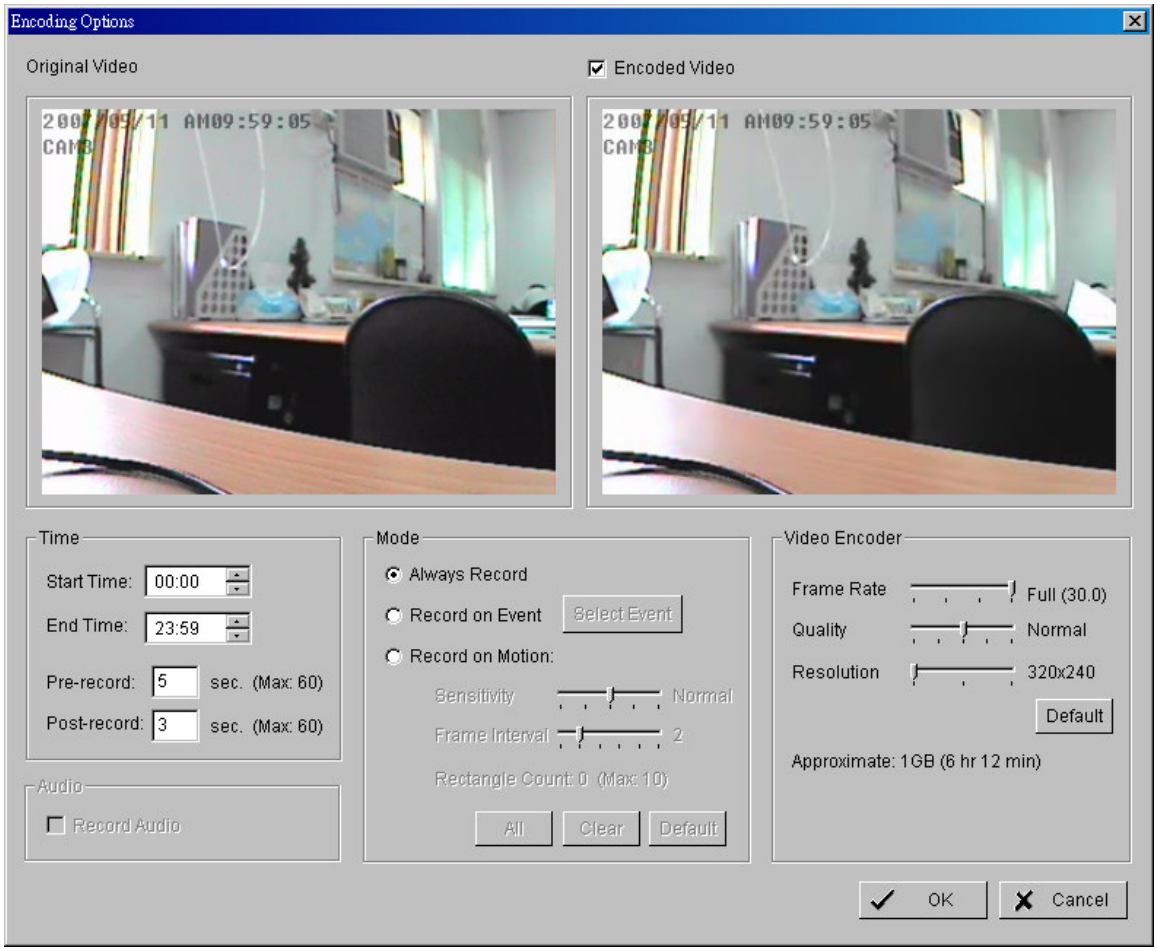
3.7 Encoding Option Panel



3. Schedule

For Analog camera

(NUUO's capture devices "SCB series" required)



Original Video

In this window, the video is digital signal converted from analog camera without encoded.

Encoded Video

In this window, the video is digital signal decoded from the encoded video from analog camera. It is also the record video when you record the video.

Encoded Video

You can adjust the Frame Rate, Quality, and resolution you want to record.

3. Schedule

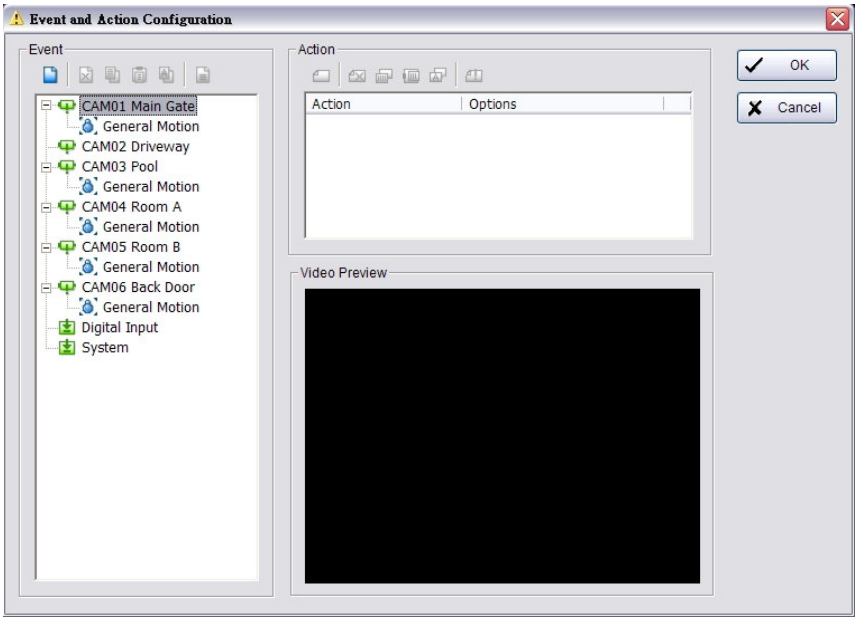
3.7.1 Always Record: Select this option to record the video at all time.

3.7.2 Record on Event: Select this option to obtain the Select Event panel. From the Smart Guard list, check the box of the camera(s) that you want to trigger the recording action. Click OK to complete the setting.

3.7.3 Record on Motion: Select this option to start recording when there are motions detected. To detect Motion, you have to define a detection zone. Left-click and drag the mouse to draw a detection zone. You may define more than one zone on the screen by repeating the same process. User can also click on "All" button to select the entire detection zone. You may adjust the sensitivity and the frame interval.

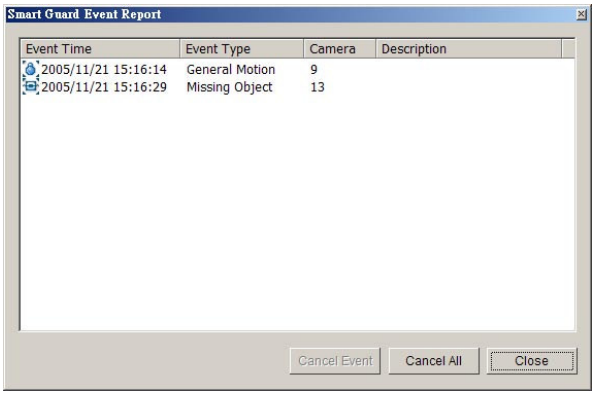
3.7.4 Pre-record/ Post-record Time: The pre-record/ post-record function saves the recording data accordingly. For instance, to set up a 5 second pre-record time means the system will start saving the recording data 5 seconds before the event happens.

4. Guard



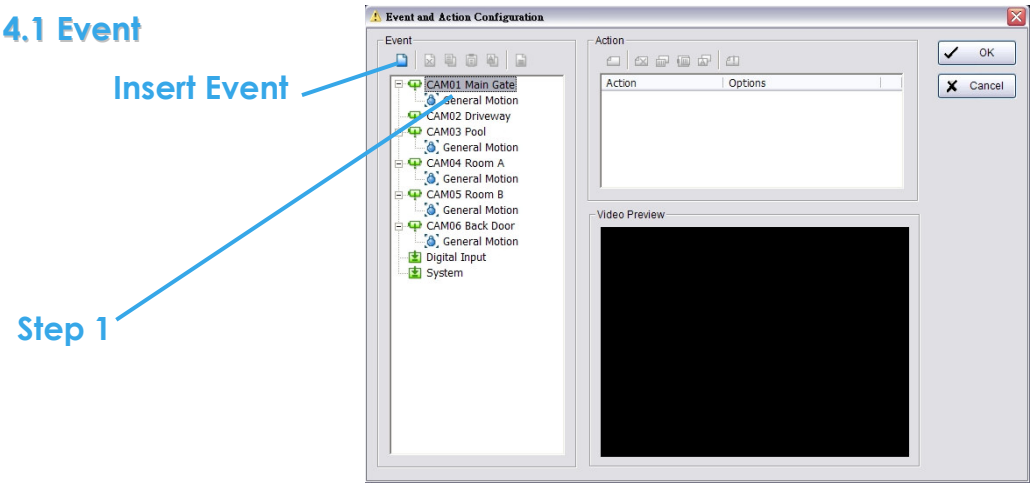
Click on the Guard button on the Main Console to start the Event and Action Configuration panel. You need to specify an event to be detected as well as to set up an action with which the system will take when the specified event is detected.

Crystal Ball: Indicates the working status of the system, in blue color rolling when system is recording; in red when an event is detected. When the crystal ball is red, you can click it to cancel the event(s).



4. Guard

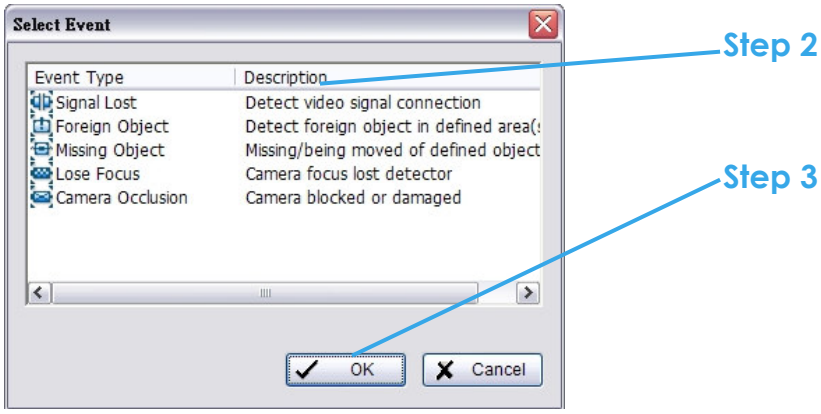
4.1 Event



There are three sources of events: Camera (video image), Digital Input (device connected to you PC) and System (condition of your hardware). You can assign multiple events by following the instructions below.

4.1.1 Assign a Camera Event

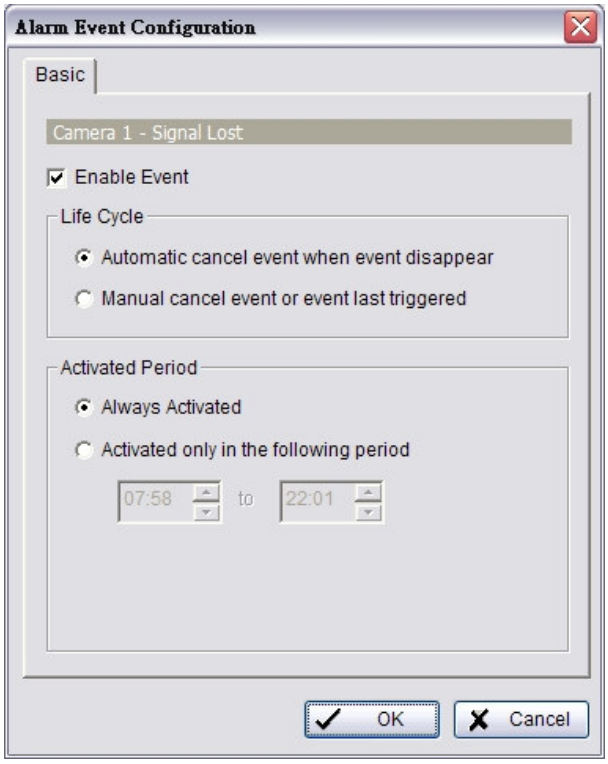
Step 1: Select a channel from the camera list and click the insert event icon. .



Step 2: There are six types of events: Signal Lost, General Motion, Foreign Object, Missing Object, Lose Focus, and Camera Occlusion. Select the event you want on the Event Type list, and then click OK.

Step 3: Configure the setting of the Event Type. See the following instructions.

4.1.2 Event - Signal Lost



Basic

Enable Event: Check the box to activate.

Life Cycle

Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

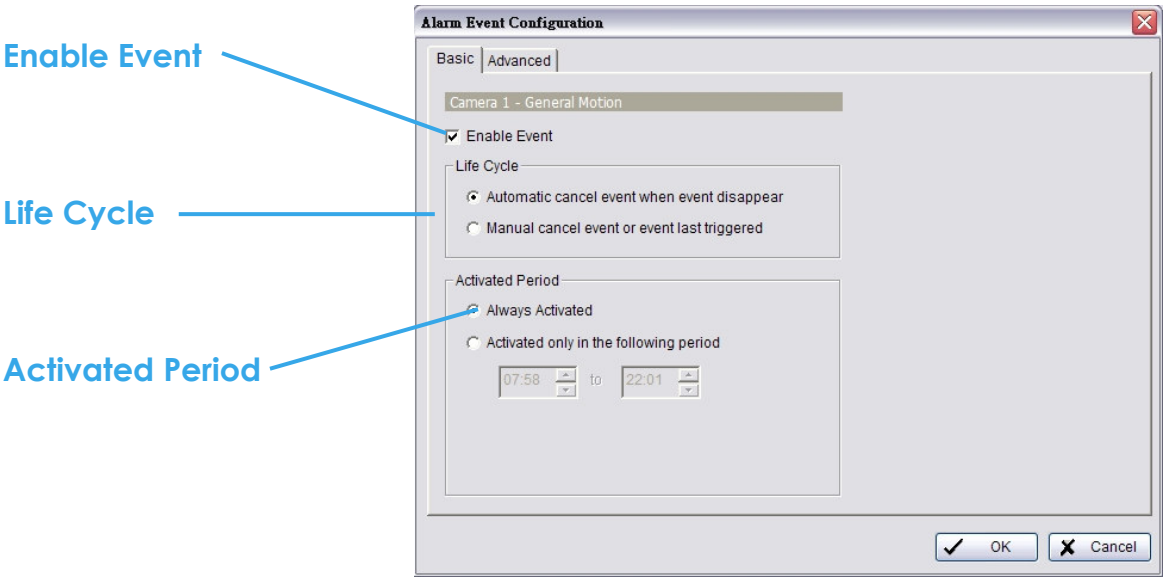
Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Activated Period: You can set up the system to react during a certain time period; for example, office hours

4. Guard

4.1.3 Event - General Motion

Detect any movement in the defined detection zone.



Basic Setting

Enable Event: Check the box to activate.

Life Cycle

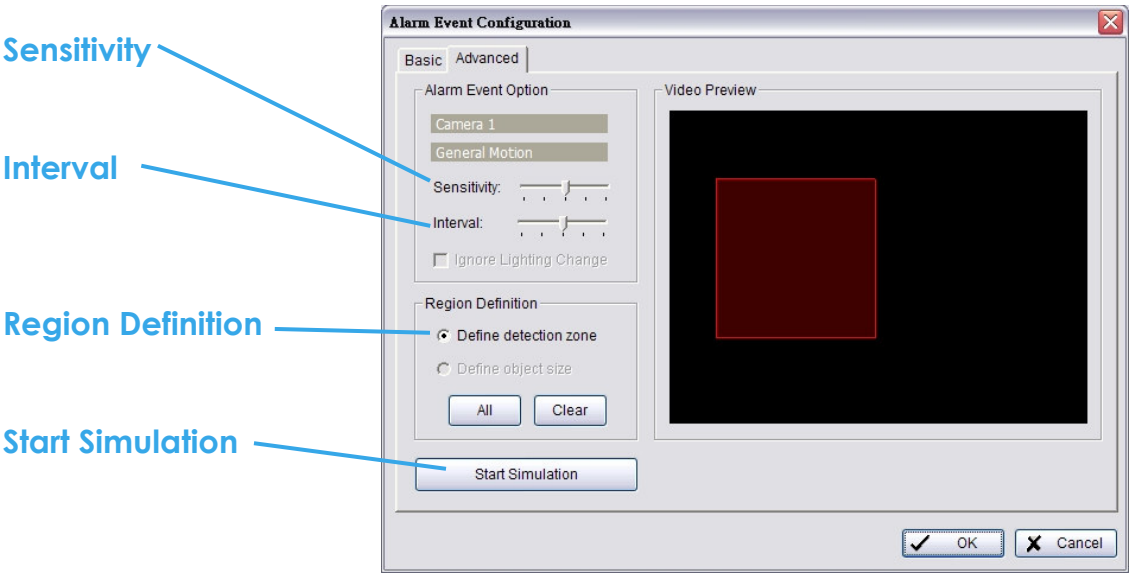
Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Activated Period: You can set up the system to react during a certain time period; for example, office hours

4. Guard

Event - General Motion



Advanced setting

Sensitivity: Click and move the slider control to the **right to increase** sensitivity so that a relatively small movement will trigger the alarm. Move the bar to the **left to reduce** the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the slider control to the **right to increase** interval time so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the interval time.

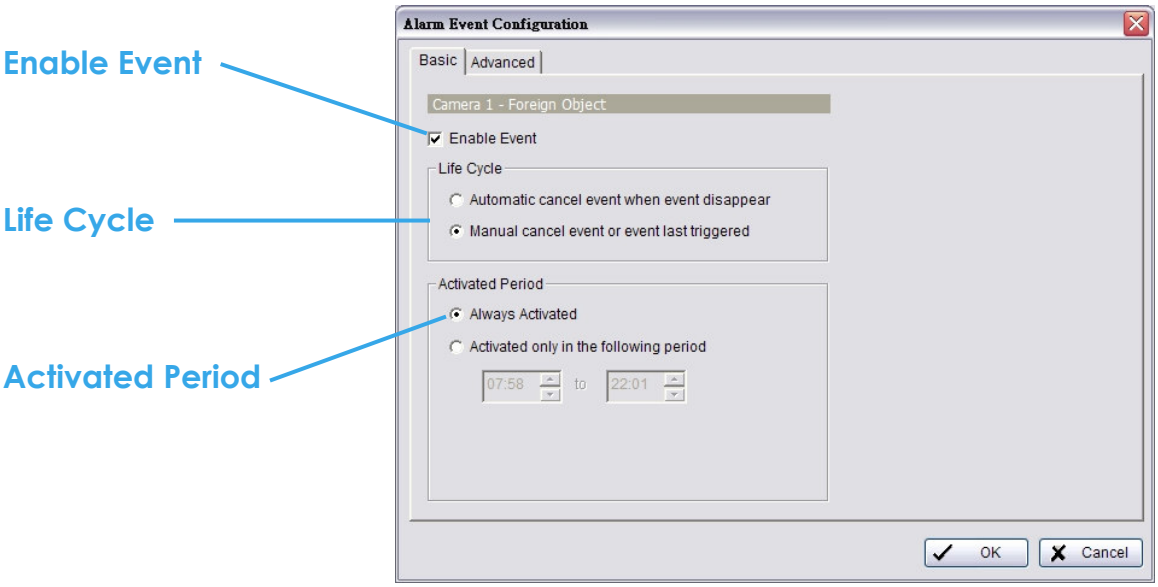
Region Definition: To detect General Motion, you have to define a detection zone. Left-click and drag the mouse to draw a detection zone. You may define more than one zone on the screen by repeating the same process. User can also click on "All" button to select the entire detection zone.

Start Simulation: Click the Start Simulation button and test the function on the preview screen.

4. Guard

4.1.4 Event - Foreign Object

Alarm will be set off when an object appears in the defined area on the screen.



Basic Setting

Enable Event: Check the box to activate.

Life Cycle

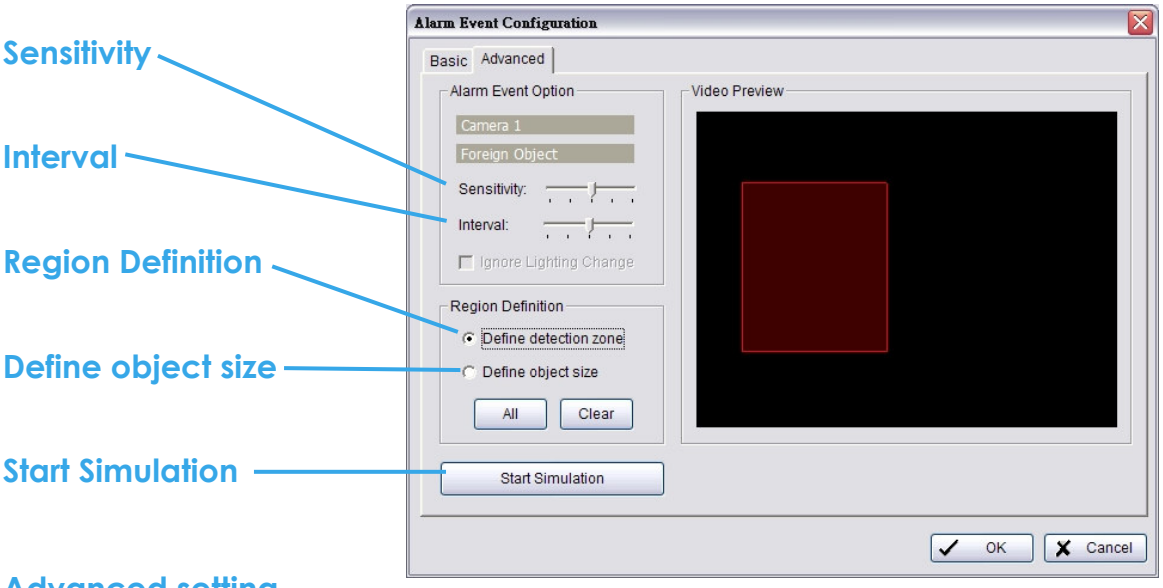
Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Activated Period: You can set up the system to react during a certain time period; for example, office hours

4. Guard

Event - Foreign Object



Advanced setting

Sensitivity: Click and move the slider control to the **right to increase** sensitivity so that a relatively small movement will trigger the alarm. Move the bar to the **left to reduce** the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the slider control to the **right to increase** interval time so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the interval time.

Region Definition: To detect Foreign Objects, you have to define a detection zone and define the size of the object you want to detect. Left-click and drag the mouse to draw the detection zone (Region 1).

After defining the detection zone, select **Define object size**, and then left-click and drag the mouse to indicate the size of the object you want to detect.

4. Guard

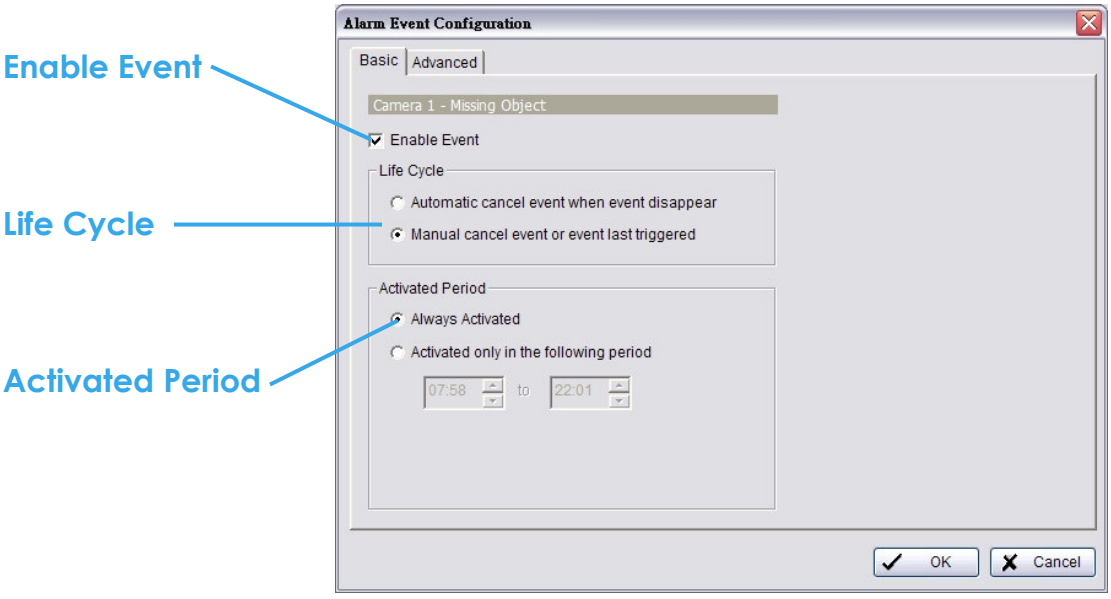
Event - Foreign Object

Hint: For instance, if you want to prevent somebody from leaving a briefcase in a hallway, you may put a briefcase in the hallway where the camera is aiming. On the screen of the camera, draw an area that fits the size of the briefcase and define it as the object size, and then remove the briefcase before activating the Smart Guard function on the Main Console. The system will consider everything in the screen normal when you click Start to activate the monitor function.

Start Simulation: Click the Start Simulation button and test the function on the preview screen.

4.1.5 Event - Missing Object

Alarm will be set off when an object disappears in the defined area on the screen.



Basic Setting

Enable Event: Check the box to activate.

Life Cycle

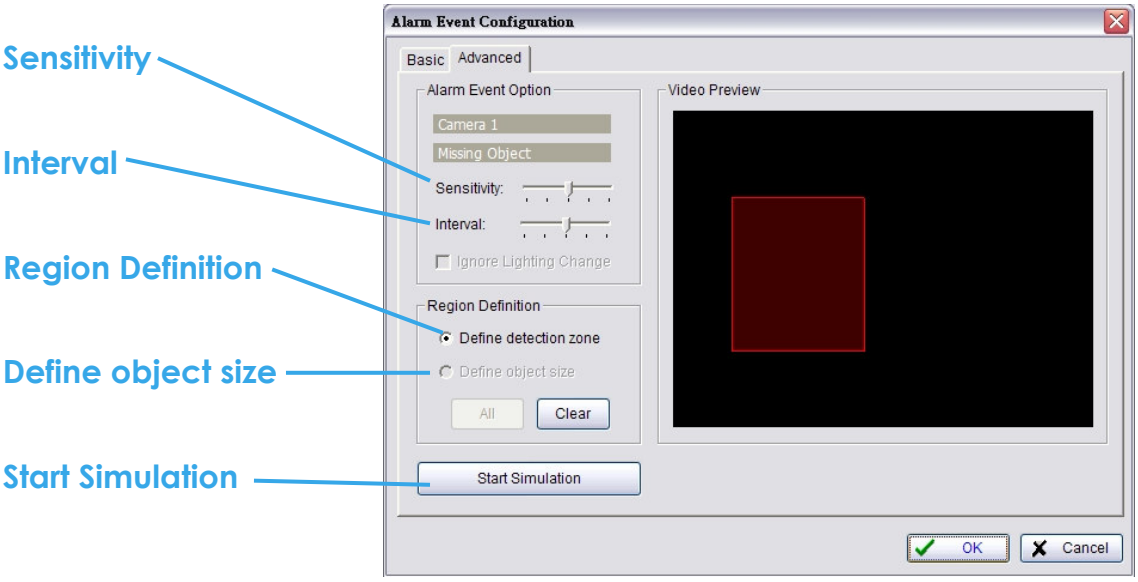
Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Activated Period: You can set up the system to react during a certain time period; for example, office hours

4. Guard

Event - Missing Object



Advanced setting

Sensitivity: Click and move the slider control to the **right to increase** sensitivity so that a relatively small movement will trigger the alarm. Move the bar to the **left to reduce** the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the slider control to the **right to increase** interval time so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the interval time.

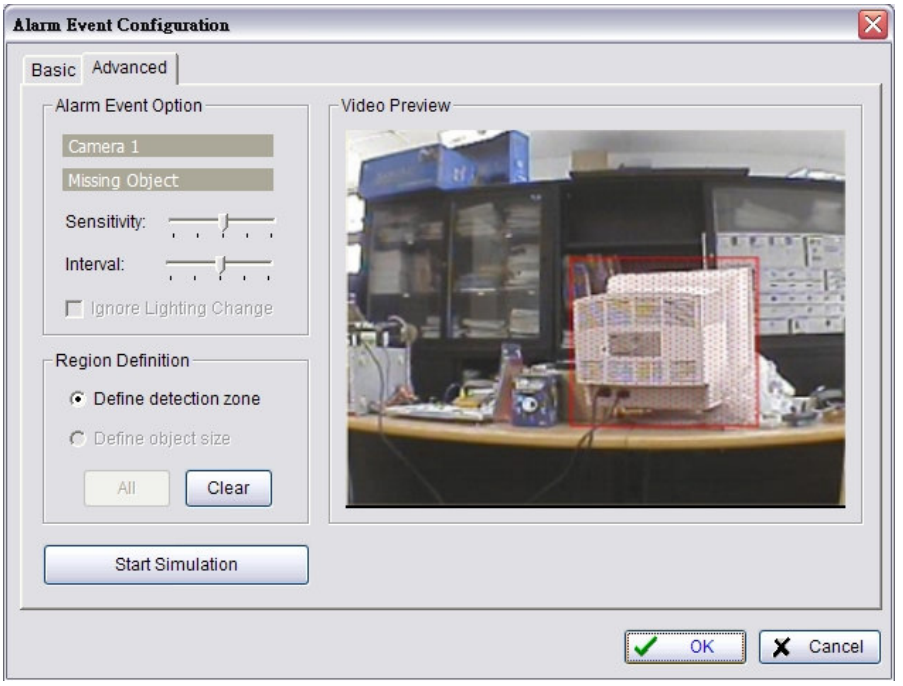
Region Definition: To detect Foreign Objects, you have to define a detection zone and define the size of the object you want to detect. Left-click and drag the mouse to draw the detection zone (Region 1).

After defining the detection zone, select **Define object size** and then left-click and drag the mouse to indicate the size of the object you want to detect.

4. Guard

Event - Missing Object

Hint: For instance, if you want to prevent somebody from removing the computer monitor on the desk, draw an area that fits the size of the monitor on the screen.

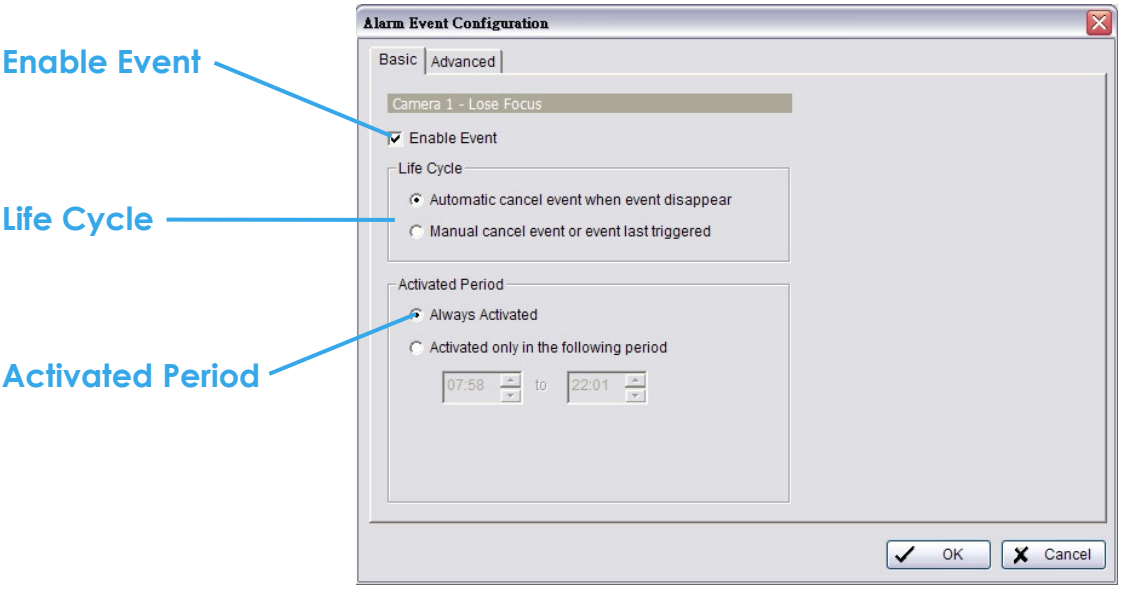


Start Simulation: Click the Start Simulation button and test the function on the preview screen.

4. Guard

4.1.6 Event - Lose Focus

This function alarms you when any of the cameras is losing focus and has blur image.



Basic Setting

Enable Event: Check the box to activate.

Life Cycle

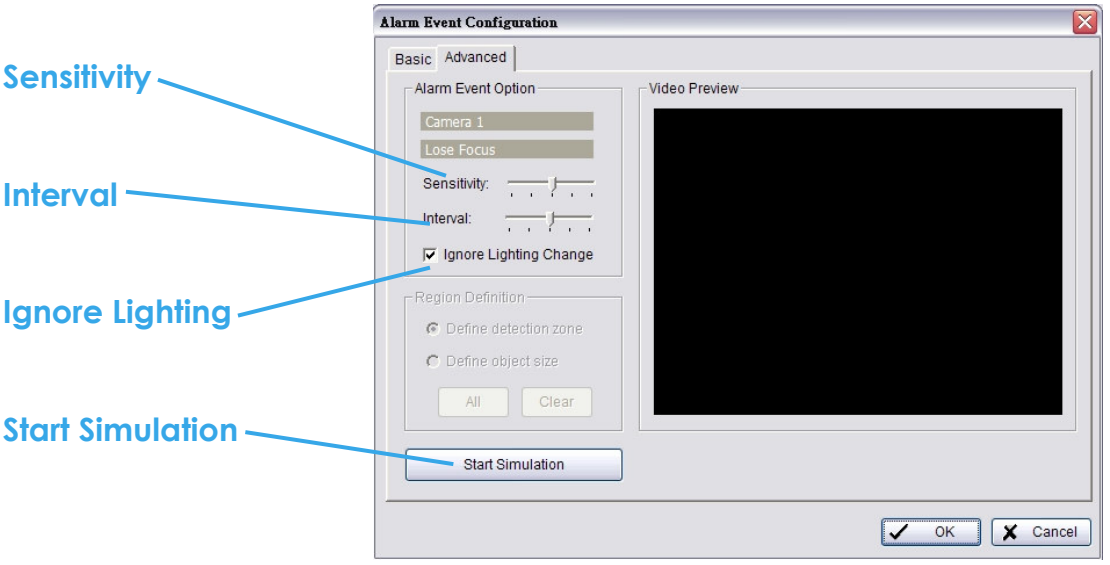
Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Activated Period: You can set up the system to react during a certain time period; for example, office hours

4. Guard

Event - Lose Focus



Advanced setting

Sensitivity: Click and move the slider control to the **right to increase** sensitivity so that a relatively small movement will trigger the alarm. Move the bar to the **left to reduce** the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

Interval: Click and move the slider control to the **right to increase** interval time so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the interval time.

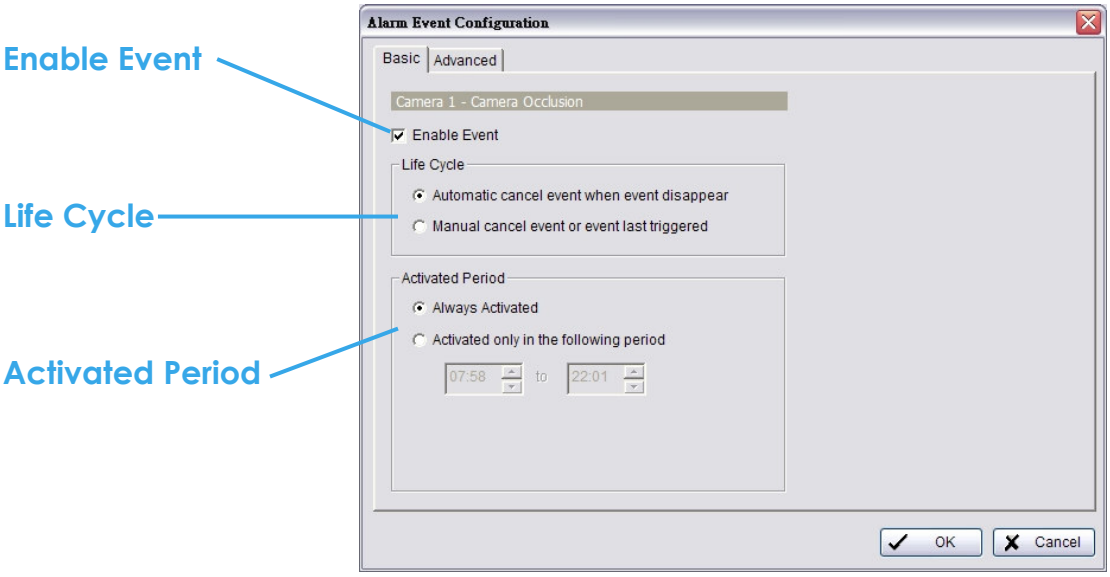
Ignore Lighting: Check the box to avoid alarm being set off by light changing.

Start Simulation: Click the Start Simulation button and test the function on the preview screen.

4. Guard

4.1.7 Event - Camera Occlusion

This function alarms you when any of the cameras is blocked.



Basic Setting

Enable Event: Check the box to activate.

Life Cycle

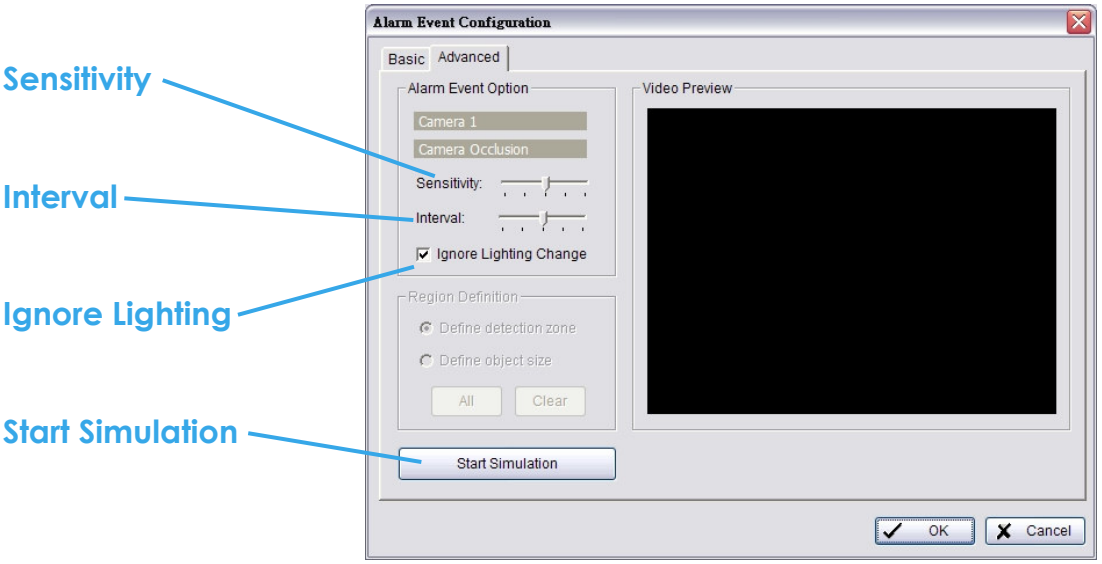
Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Activated Period: You can set up the system to react during a certain time period; for example, office hours

4. Guard

Event - Camera Occlusion



Advanced setting

Sensitivity: Click and move the slider control to the **right to increase** sensitivity so that a relatively small movement will trigger the alarm. Move the bar to the **left to reduce** the sensitivity of movement detection. Set up an appropriate Sensitivity value will reduce the chance of false alarm. For example, you can lower the Sensitivity to avoid the alarm being triggered by a swinging tree in the breeze.

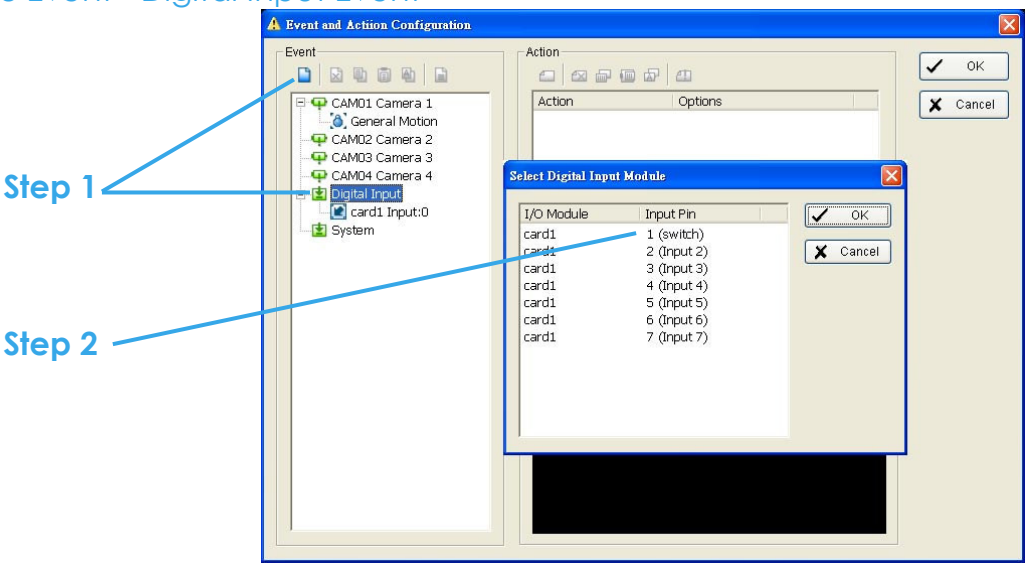
Interval: Click and move the slider control to the **right to increase** interval time so that the alarm will only be triggered when the movement lasts longer. Move to the **left to reduce** the interval time.

Ignore Lighting: Check the box to avoid alarm being set off by light changing.

Start Simulation: Click the Start Simulation button and test the function on the preview screen.

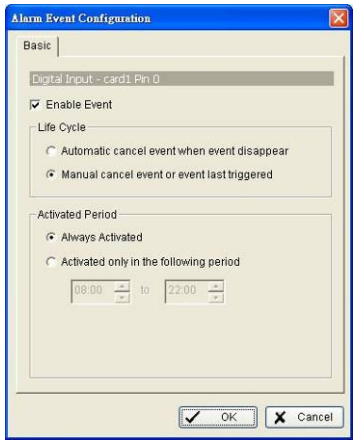
4. Guard

4.1.8 Event - Digital Input Event



Step 1: Click and highlight **Digital Input** on the event type list, and click the **Insert Event** icon.

Step 2: Select the device that is connected to your system, that is, the PC you are working with.



Basic Setting

Enable Event: Check the box to activate.

Life Cycle

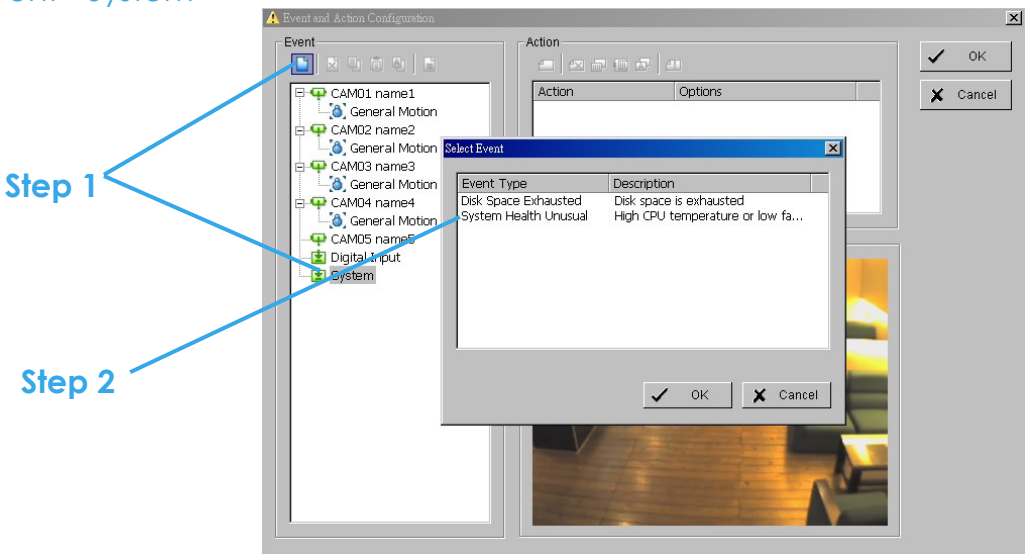
Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

Activated Period: You can set up the system to react during a certain time period; for example, office hours

4. Guard

4.1.9 Event - System



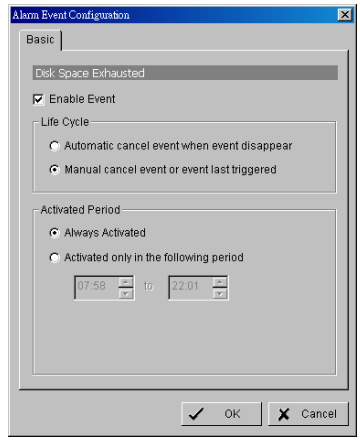
Step 1: Click and highlight **Digital Input** on the event type list, and click the **Insert Event** icon.

Step 2: There are two events. Select the event you want to detect.

Disk Space Exhausted

This function alarms you when disk space is exhausted.

Basic Setting



Enable Event: Check the box to activate.

Life Cycle

Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

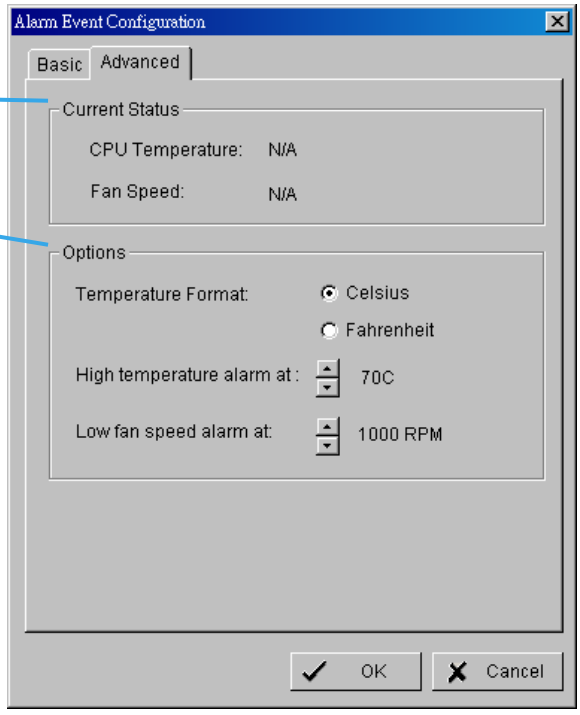
Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

4. Guard

Activated Period: You can set up the system to react during a certain time period; for example, office hours

System Health Unusual

This function alarms you when high CPU temperature or low fan speed.



Current Status

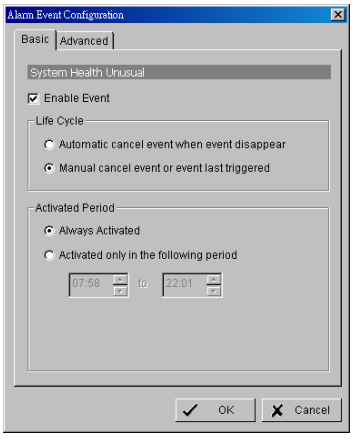
Options

Advanced setting

Current Status: Show you the current CPU temperature and fan speed.

Option: Check the temperature format Celsius or Fahrenheit and adjust the high temperature alarm at what temperature degrees and low fan speed alarm at what RPM.

Basic Setting



Enable Event: Check the box to activate.

Life Cycle

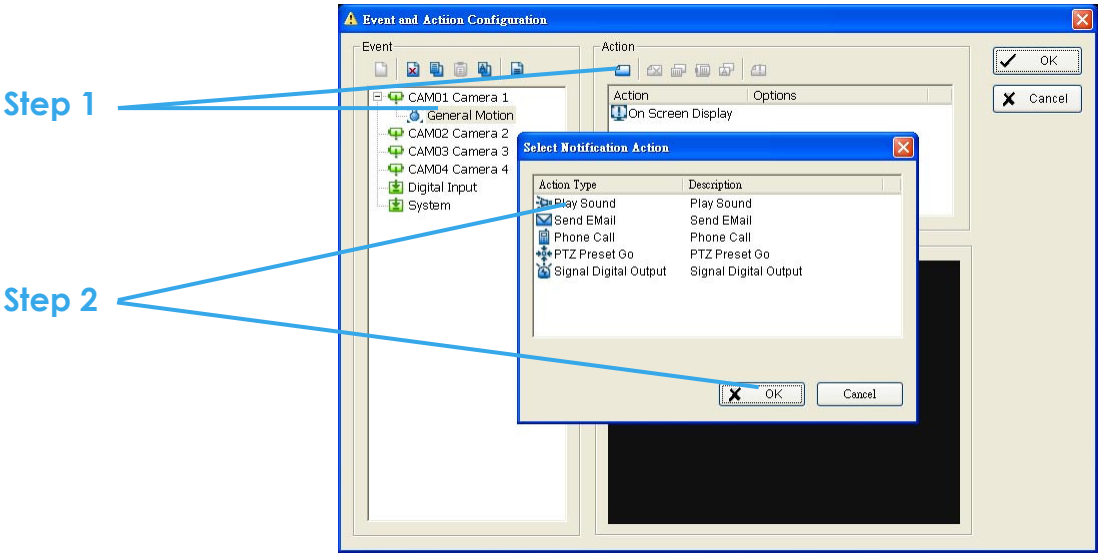
Automatically cancel event when event disappears: the alarm/action will be off once the abnormality is fixed or ends.

Manually cancel event or event continues triggered: The alarm/action will continue until being canceled from the Main Console (Start>Open Event Report>Cancel All Events). The user currently not at the seat watching the screen will be notified by the alarm.

4. Guard

4.2 Action

Insert Action: To setup actions responding to an unusual event.



Step 1: Choose an event and click the "Insert Action" icon.

Step 2: There are 6 types of actions: On Screen Display, Play Sound, Send E-mail, Send SMS Message, PTZ Preset Go and Signal Digital Output. Select the action you want on Action Type list and then click OK.

Step 3: Configure the setting of the Action Type if needed.

4. Guard

4.2.1 Action - Action Type

On Screen display: A red warning will be flashing on the screen of Main Console, indicating which type of unusual event is detected.

Play Sound: Sound alarm warning. Choose a Wave file (.wav) and the system will play the sound as alarm when an unusual event is detected.

Send E-mail: The system will send an E-mail immediately to given accounts indicating the type of event, the time, and attaching a picture taken while the event is detected. To give the system the E-mail accounts, go to Config > Setup > Hotline. See Configuration at page 80 for detail.

Phone Call: The system will call a given phone number when an unusual event is detected. To setup the phone number and make an audio record for the phone call, go to Config > Setup > Hotline. See Configuration at page 80 for detail.

PTZ Preset Go: The PTZ (pan/tilt/zoom) camera will go to a preset spot when an unusual event is detected. Select the PTZ camera on the pop-up panel, and then, at Alarm On section, select the Preset number with which you want the PTZ camera to go when an event is detected; and assign a Preset configuration for Alarm Off.

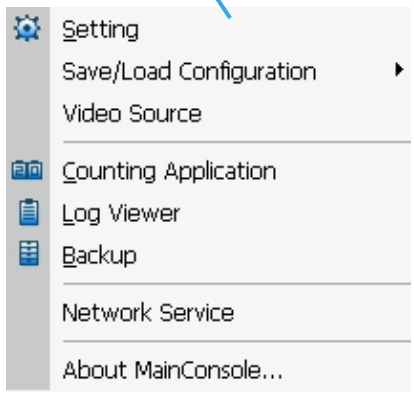
Note: You need to configure your PTZ camera before using this function. See Config at page 78 for PTZ camera configuration.

Signal Digital Output: Triggers traditional alarming devices that connect to the system, such as alarm lights and sirens.

5. Configuration

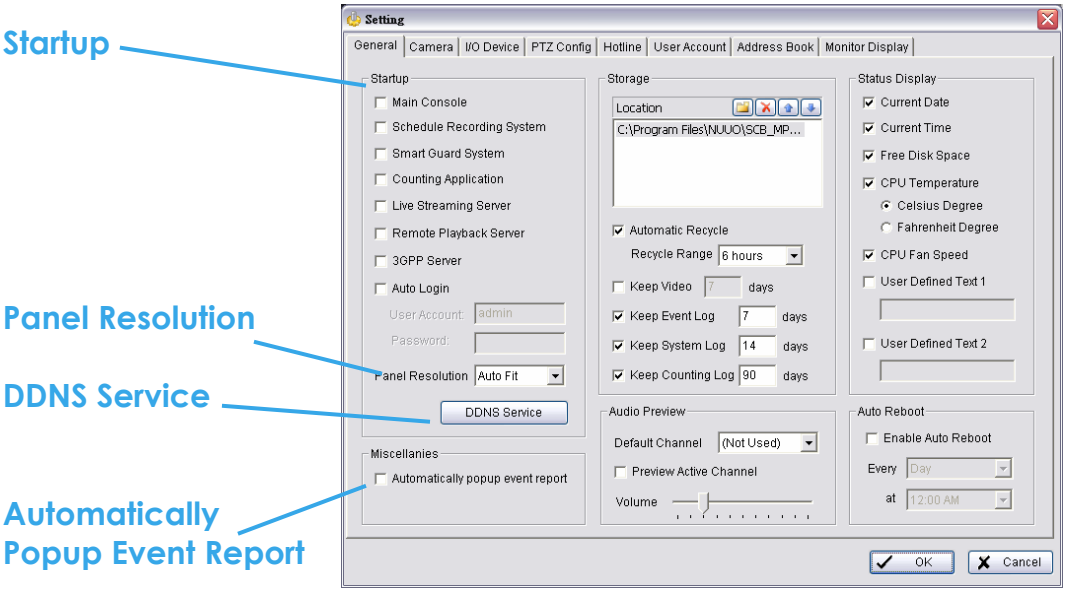
Modify the setting and access counting application, log viewer, backup, and network services. Click on the Config icon, select from the drop-down menu and open the Configuration panel.

* Video Source function available only with MPEG-4 software compression captures devices.



5. Configuration

5.1 Setting – General

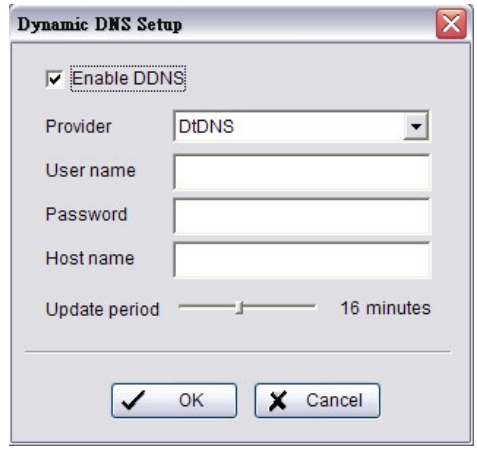


5.1.1 Startup

Check the box and activate the functions as the system starts. You may start/stop the function in Monitor panel on the Main Console.

Panel Resolution: Set up the resolution of the control panel. You may select Auto Fit to have the system choose the best one for you.

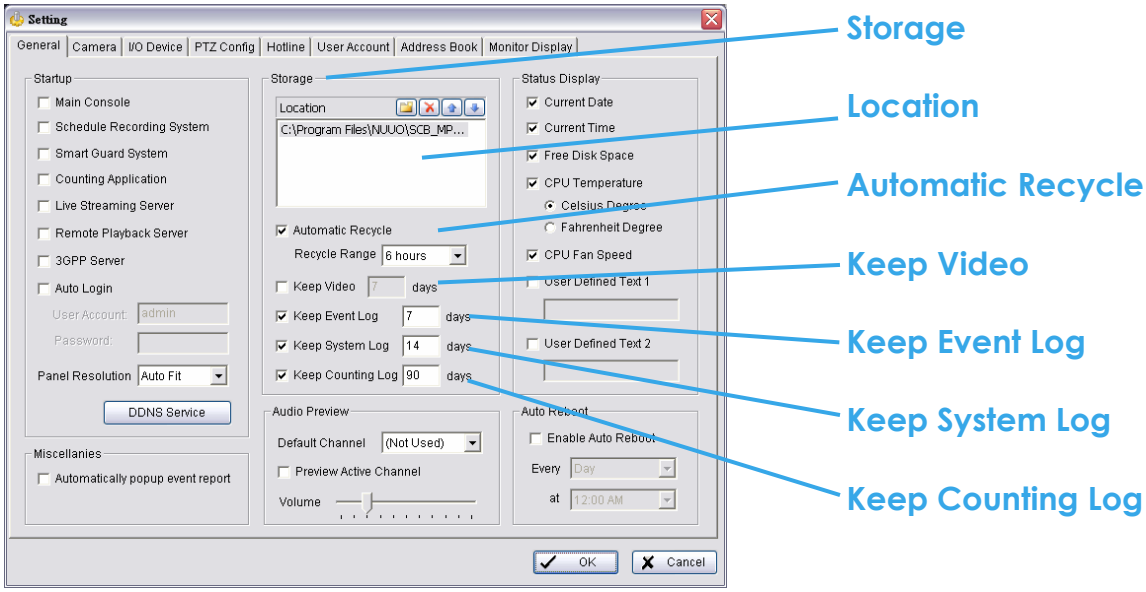
DDNS Service: Dynamic Domain Name Server (DDNS) function allows you to use Live View or Web View to connect to the Main Console through Internet event if you have a dynamic IP address



Click on the DDNS button to obtain the Dynamic DNS Setup panel. Set up the DDNS function by selecting the provider type, filling in user name, password and hostname, and adjusting the update period.

5.1.2 Automatically Popup Event Report: Event report dialog automatically popup when events been detected. Make sure to stop Smart Guard System before you modify the setting, otherwise the modification will not take place.

5. Configuration



5.1.3 Storage

Location: Assign the default folder for the system to store all data files.

Automatic Recycle: The system will automatically delete out-dated data to save storage space.

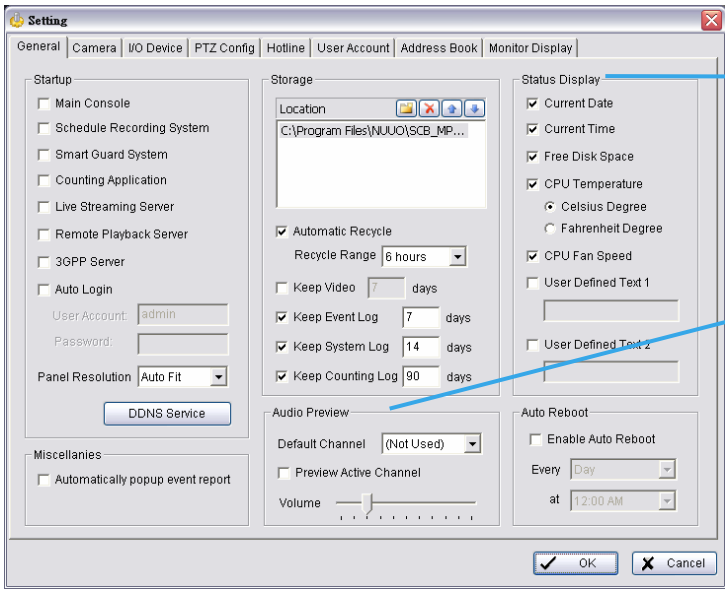
Keep Video: Delete the video records that are older than the number of days set.

Keep Event Log: Delete the event log data that is older than the number of days set.

Keep System Log: Delete the system log data that is older than the number of days set.

Keep Counting Log: Delete the counting application data that is older than the number of days set.

5. Configuration



5.1.4 Audio Preview

Default Channel: Select the audio channel that you wish to hear from in "Default Channel.

Preview Active Channel: Check the "Preview Active Channel" option to hear the audio from selected video channel on Main Console. The default channel plays if the video channel isn't selected.

System plays the audio of default channel

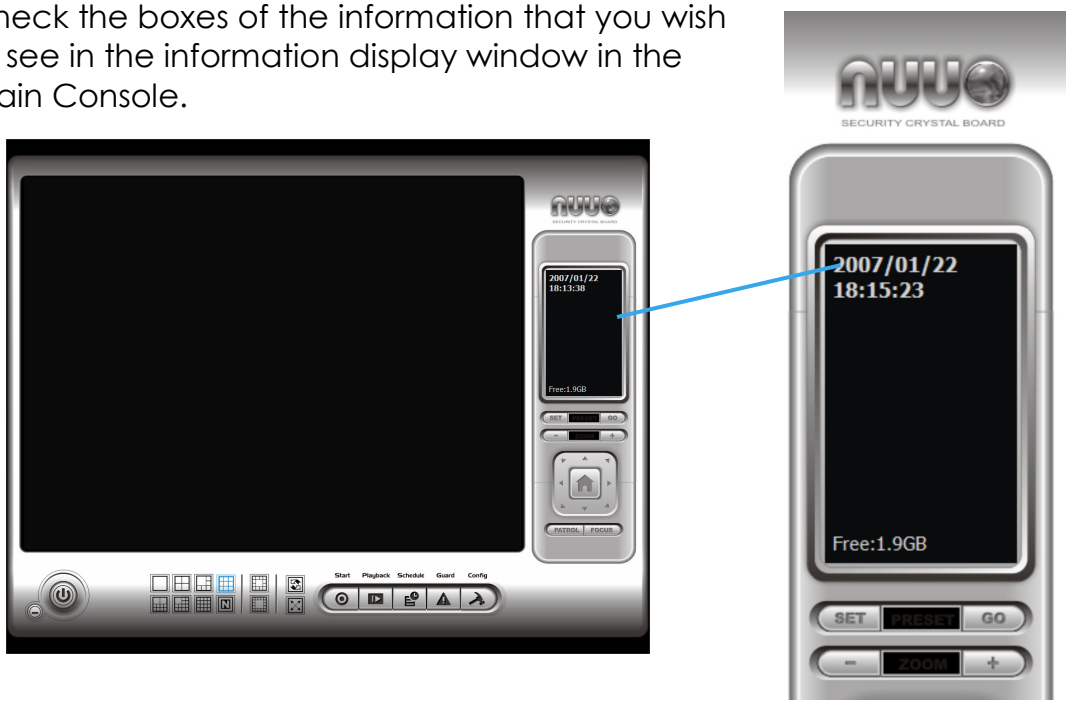
System plays the audio of left-top selected channel

Volume: Adjust the volume with the "volume bar."

5. Configuration

5.1.5 Status Display

Check the boxes of the information that you wish to see in the information display window in the Main Console.

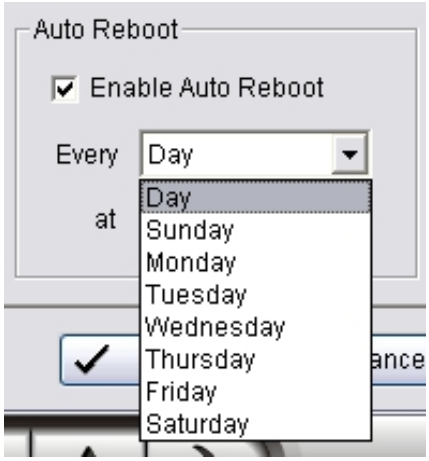


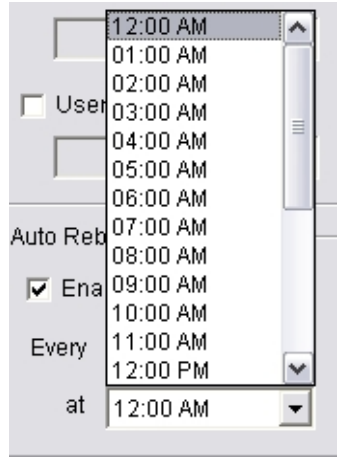
5.1.6 Auto Reboot

Check the option of " Enable Auto Reboot " that you can reboot the system on the time you select.

Step 1: Check the option of " Enable Auto Reboot. "

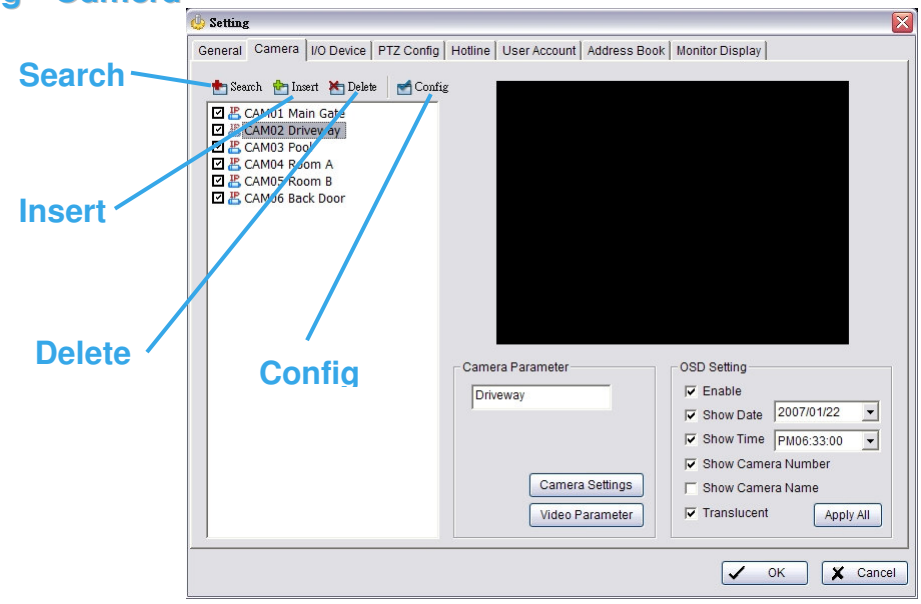
Step 2: Select the time you want to reboot.





5. Configuration

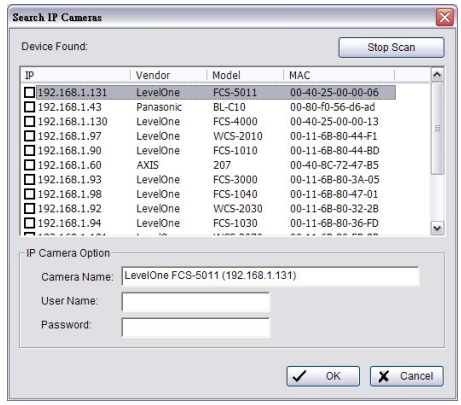
5.2 Setting - Camera



5.2.1 Add Camera

Four function buttons will be included in the Setting/Camera panel if you have our Hybrid Surveillance System license for IP camera.

Search: Click on the Search icon to obtain the Search IP Camera panel. The system will start scanning automatically once the panel is opened; feel free to stop scanning by clicking on the Stop Scan button.



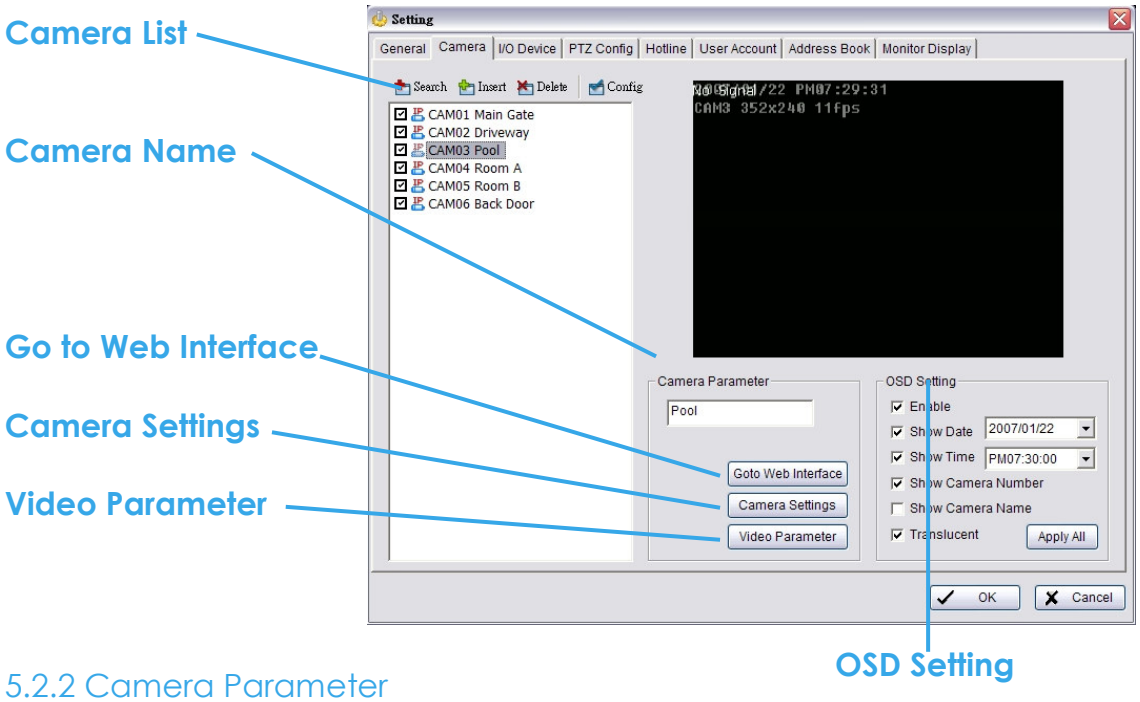
Fill in the user name and password for each IP camera found and click OK to add it to the camera list.

Insert: Click on the Insert icon to obtain the IP/Video Server Setting panel and add IP cameras to the list. See page 11 for details.

Delete: Click on the delete button to remove the selected IP camera(s) from the system. Click OK to finalize the modification.

Config: Click on the Config button to obtain the IP/Video Server Setting panel. You can modify the IP camera settings with the Setting panel. See page 76 for detail.

5. Configuration



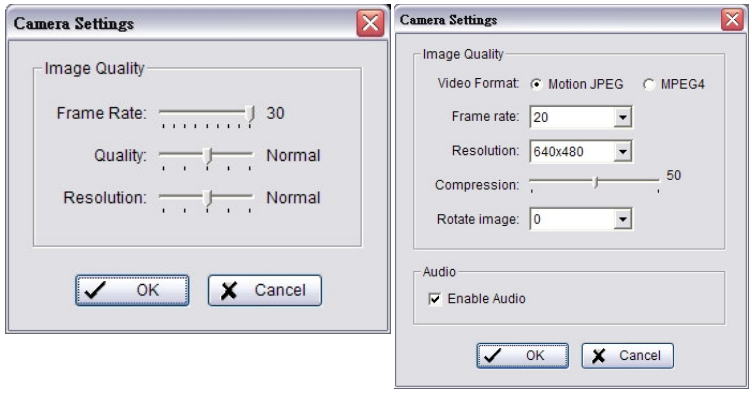
5.2.2 Camera Parameter

Camera List: The camera(s) connected to the system will show on the panel, click the name of the camera to adjust the setting.

Camera Name: Name the camera for your convenience.

Go to Web Interface: Go to Website interface to configure the camera setting (option).

Camera Settings:
Set the camera parameter offered by camera vendor.

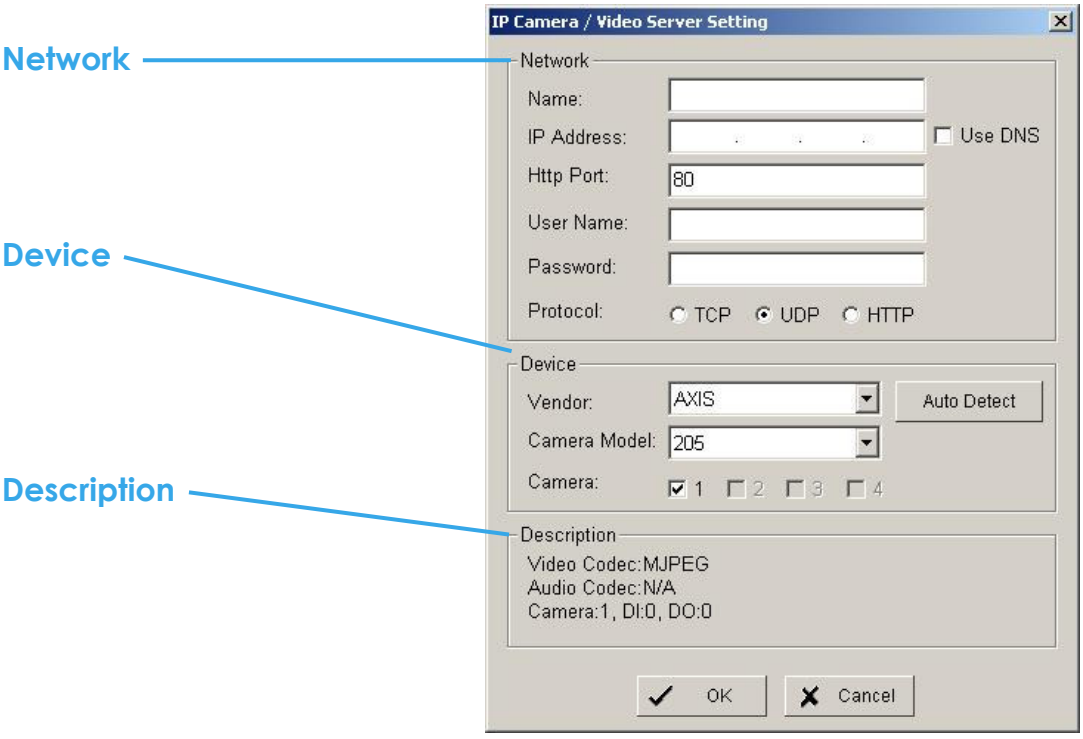


Video Parameter:
Adjusts the video's brightness, contrast, saturation, and color hue values.

5. Configuration

5.2.3 OSD Setting: Select the information that you wish to see in the on-screen display, or the sub-screen of the camera.

5.2.4 IP Camera / Video Server Setting panel



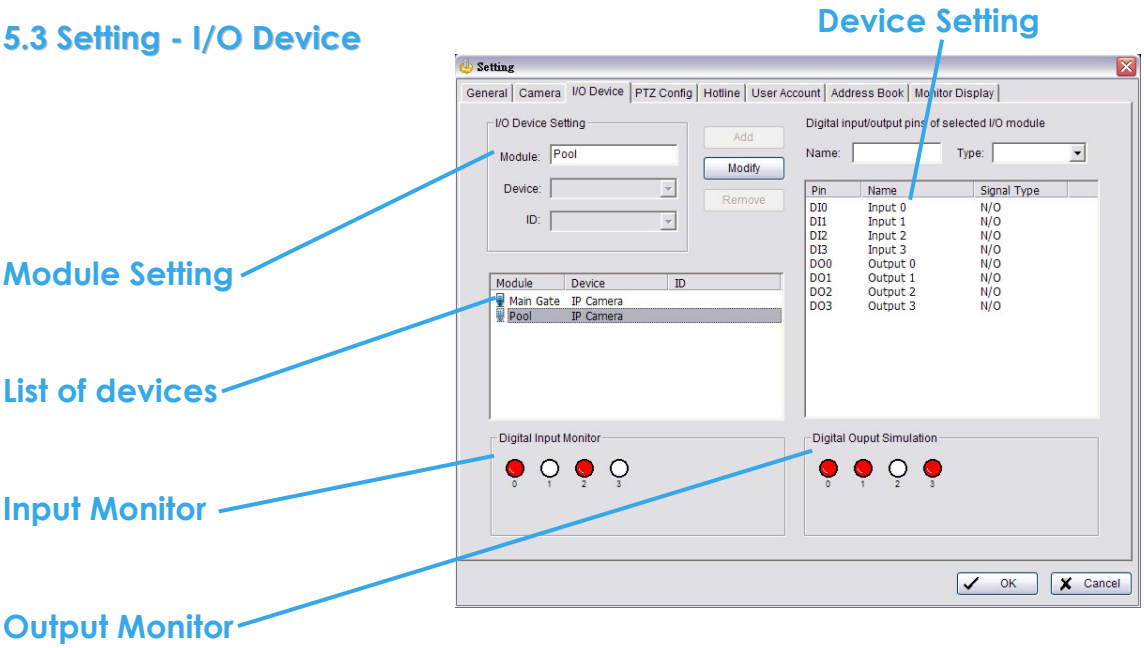
Network: Fill up the Network field (including Name, IP Address, Http Port, User Name, Password and Protocol) referring to the instruction provided by the camera manufacturer. Check "Use DNS" to use domain name instead of IP address.

Device: Choose the IP camera manufacturer from the drop-down menu. Click on "Auto Detect" and the model name will show in the box.

Description: Show information of the IP camera.

5. Configuration

5.3 Setting - I/O Device



Module Setting: Name the module device and ID that has been connecting the digital input/output device(s) to your system.

Device: This column displays the device(s) already installed to the system.

ID: Select the number of the I/O port to which you plug the ribbon cable.

Input Monitor: The device(s) is turned on if the dot is in red. By triggering the digital input device, the related icon will light up. This is used to check if the device is correctly connected or not.

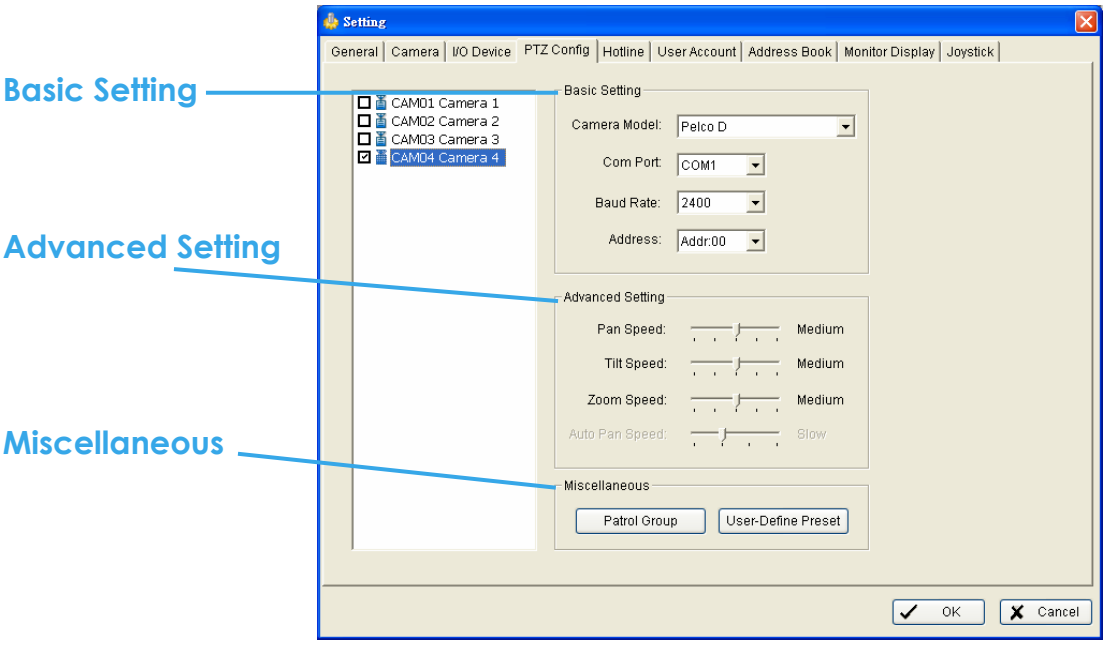
Output Monitor: The device(s) is turned on if the dot is in red. By clicking on the icon, you may trigger the digital device connecting to the system. This can be used to test if the output device is correctly connected.

Device Setting

Name: Insert the name of the device (input and output).
Type: Select the device type from the drop-down menu.
N/O: Normal Open.
N/C: Normal Close.

5. Configuration

5.4 Setting - PTZ Config



Install PTZ cameras following the instruction of the camera manufacturers. A PTZ camera is usually connected to the PC with RS-485/RS-422.

Check the box on the camera list to activate the PTZ control function of a PTZ camera.

Basic Setting: Select the camera model, com port, baud rate, and address according to your PTZ camera.

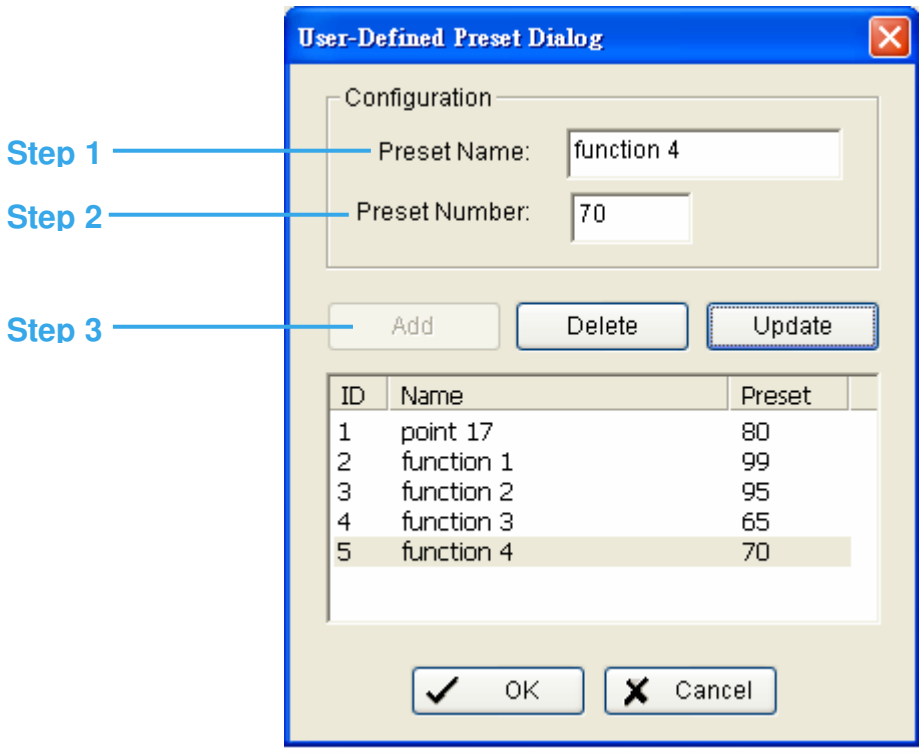
Advanced Setting: You may setup the pan speed, tilt speed, zoom speed and auto pan speed. Adjust the settings by dragging the bars.

Miscellaneous:

Patrol Group: You can setup the Patrol Group, please see page 20 for the detail.

User-Define Preset: User-Define Preset for analog speed dome can trigger the extra-function of speed dome itself such as auto-tracking, login menu of camera…etc.

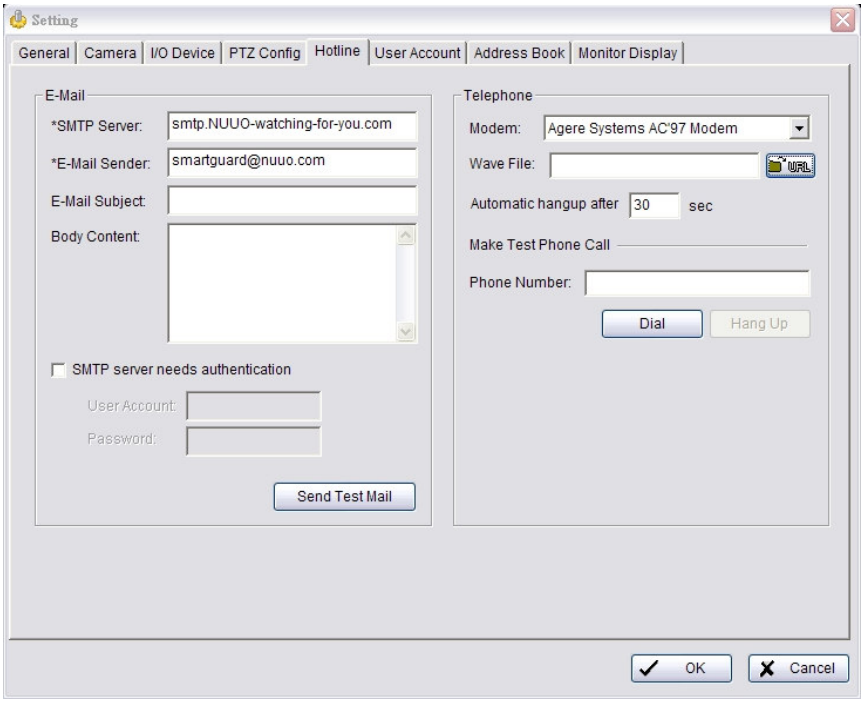
5. Configuration



Step 1: Type the Preset Name.
Step 2: Type the Preset Number.
Step 3: Pressure the "Add" to add the preset.

5. Configuration

5.5 Setting – Hotline



Configure the settings of hotlines, including E-mail and telephone calls, once an unusual event is detected.

E-mail: Input the following information: server, sender's E-mail address, E-mail's subject title, and body content. You may click on the Send Test Mail button to test the settings.

Telephone: Select the modem that the system is going to dial the info call with, and then insert the phone number. (A modem is required for voice transition.)

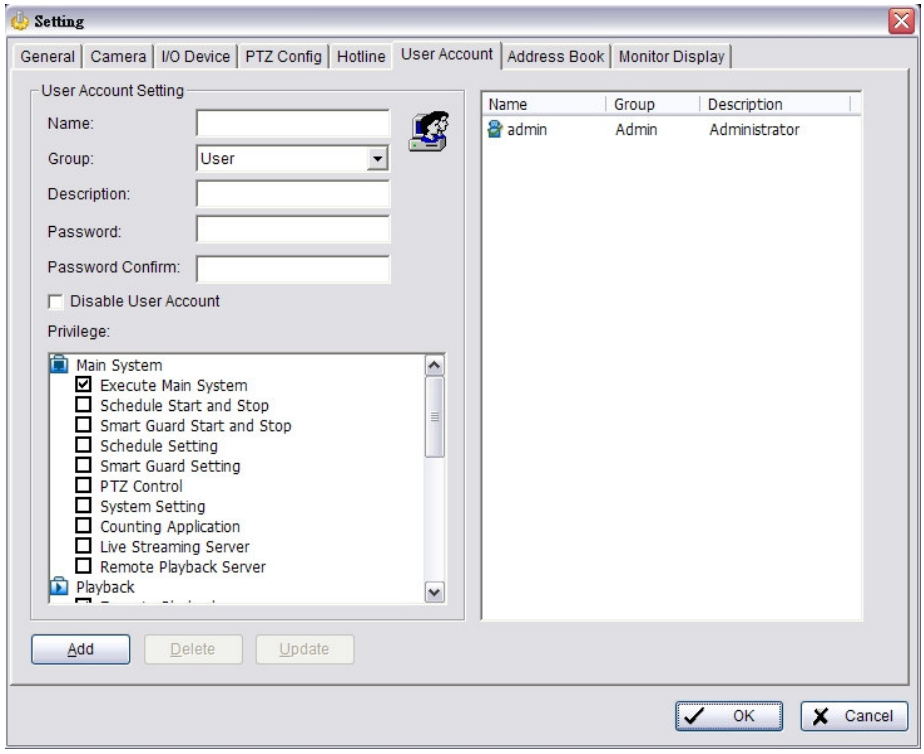
Note:

1. You must use a modem with voice capability.
2. You may select a Wave format file; it will be played in the phone to alarm the person who picks up the phone call.

* indicates mandatory areas

5. Configuration

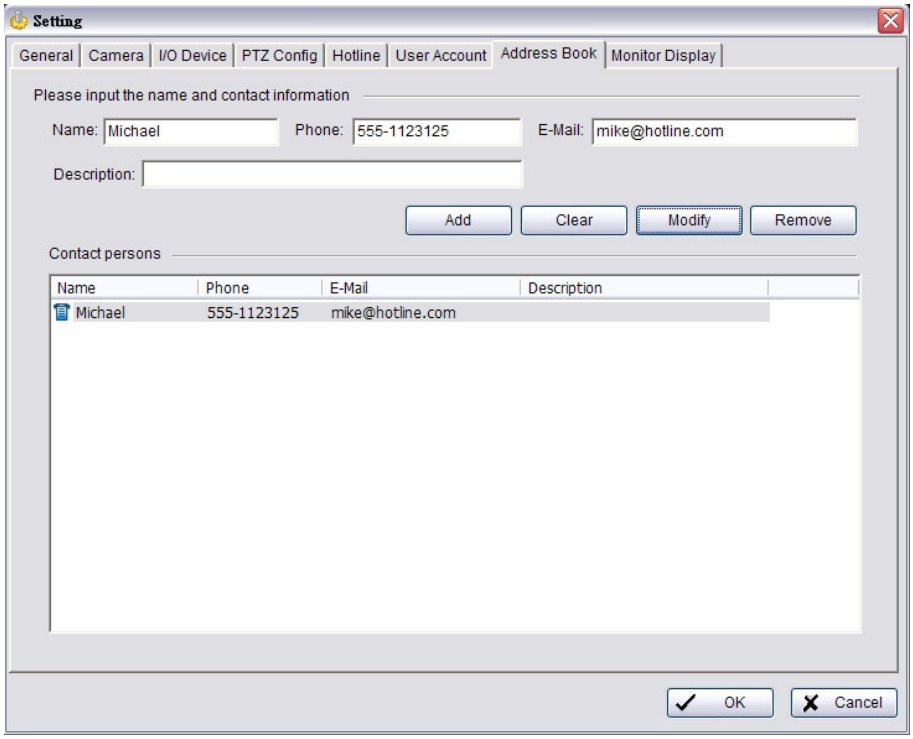
5.6 Setting - User Account



User Account: The administrator may manage the user accounts here. From the list on the right, highlight each account and modify the privilege setting.

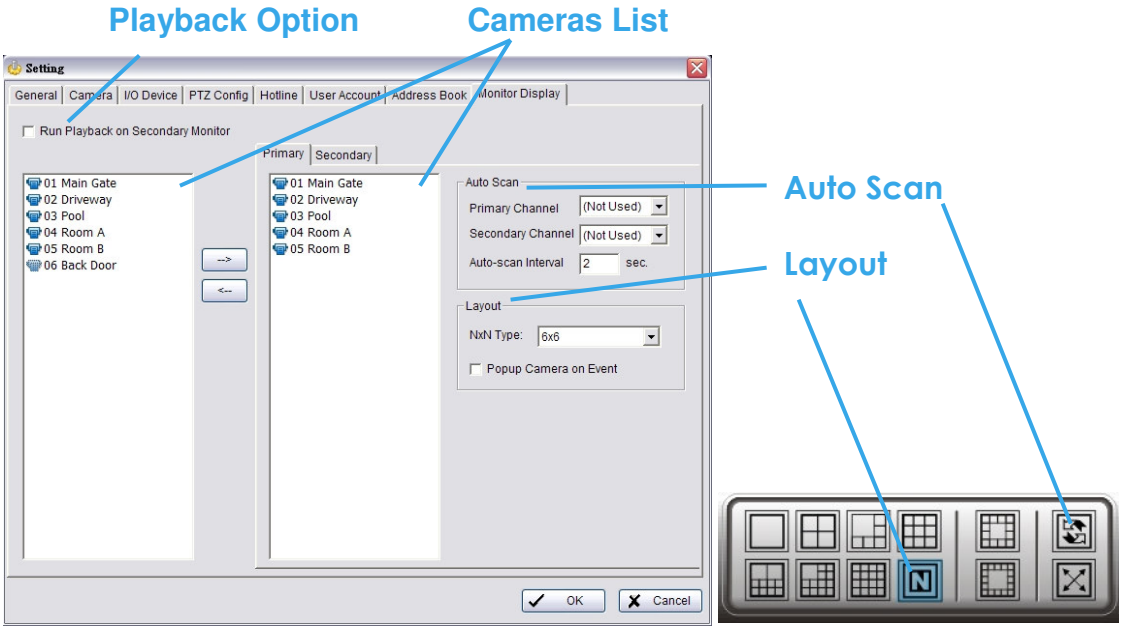
5. Configuration

5.7 Setting - Address Book



Address Book: Manage the address book from which you may send out a phone call or an E-mail when an unusual event is detected.

5.8 Setting – Monitor Display



Playback Option: Execute Playback on the secondary monitor by checking the box. Make sure to adjust the display setting of your computer in advance to avoid system error.

Cameras List: The left side displays a list of all cameras; modify the cameras shown on primary/ secondary monitor in the right window.

Auto Scan: Activate auto scan to rotate the channels/ cameras on the display screen.

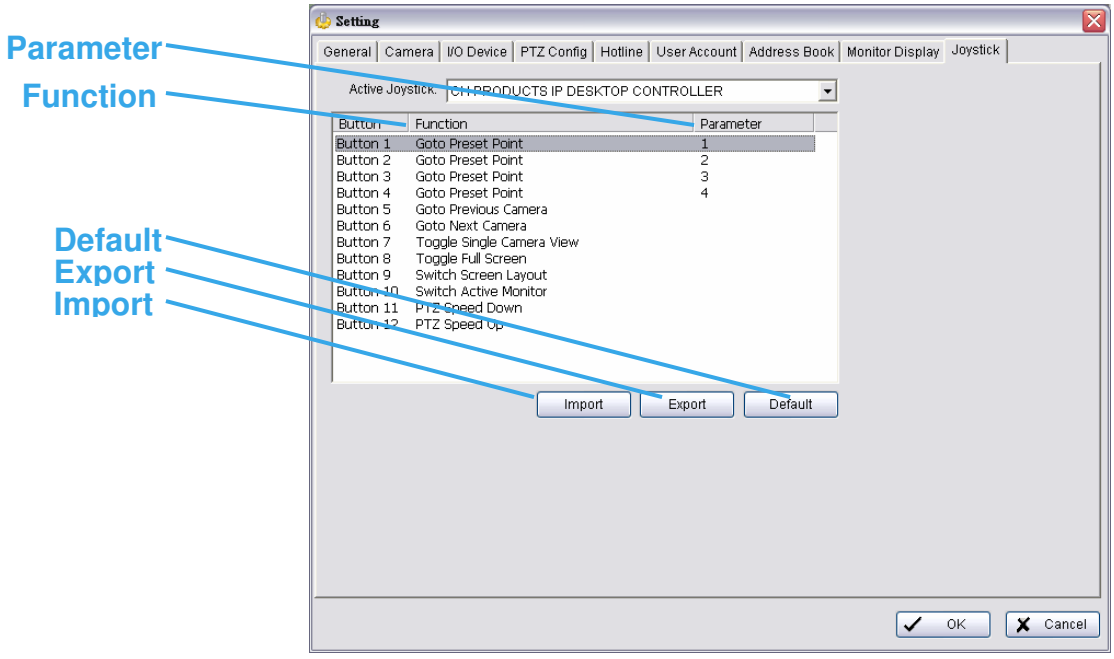
For instance, you may select to show only 4 sub-screens on the main console while having 16 channels connected to the system. With auto scan function, you will be able to see all 16 channels by turns. You can set up a primary channel that will always be on the screen and a secondary channel that has secondary priority.

Layout: Choose the number of divisions for NxN division on the Main Console screen.

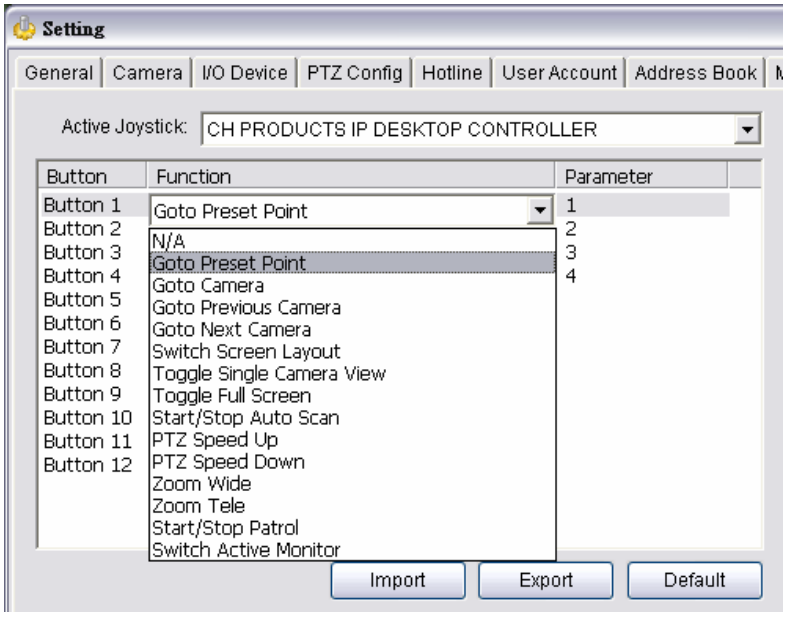
Note: For H.264 Hardware compression system, only network cameras (IP Channels) can be shown on the secondary monitor.

5. Configuration

5.9 Setting – Joystick



Function: You can choose the function from the drop-down menu for the button of joystick.



5. Configuration

Following is a complete list of all log types:

1. N/A
2. Goto Preset Point
3. Goto Camera
4. Goto Previous Camera
5. Goto Next Camera
6. Switch Screen Layout
7. Toggle Single Camera View
8. Toggle Full Screen
9. Start/Stop Auto Scan
10. PTZ Speed Up
11. PTZ Speed Down
12. Zoom Wide
13. Zoom Tele
14. Start/Stop Patrol
15. Switch Active Monitor

Parameter: You can choose the parameter of the function from the drop-down menu.

Default: You can set the default setting for the joystick.

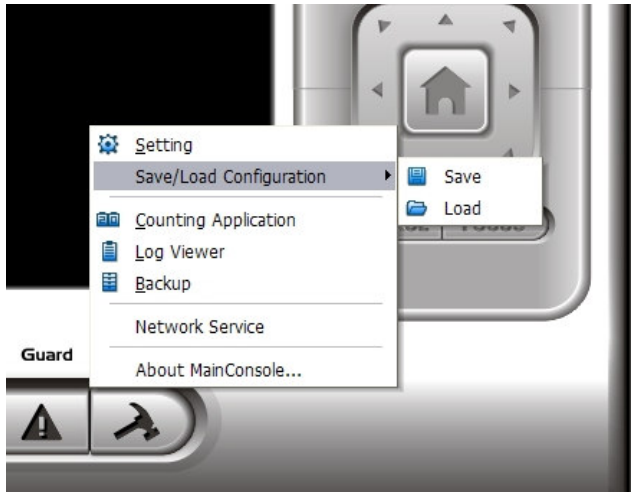
Export: You can export the setting of the joystick.

Import: You can import the setting of the joystick.

5. Configuration

5.10 Save/ Load Configuration

The Save/ Load Configuration function allows system users to save any specific setting as a cfg (config) file. You may save up several different cfg files at any time.



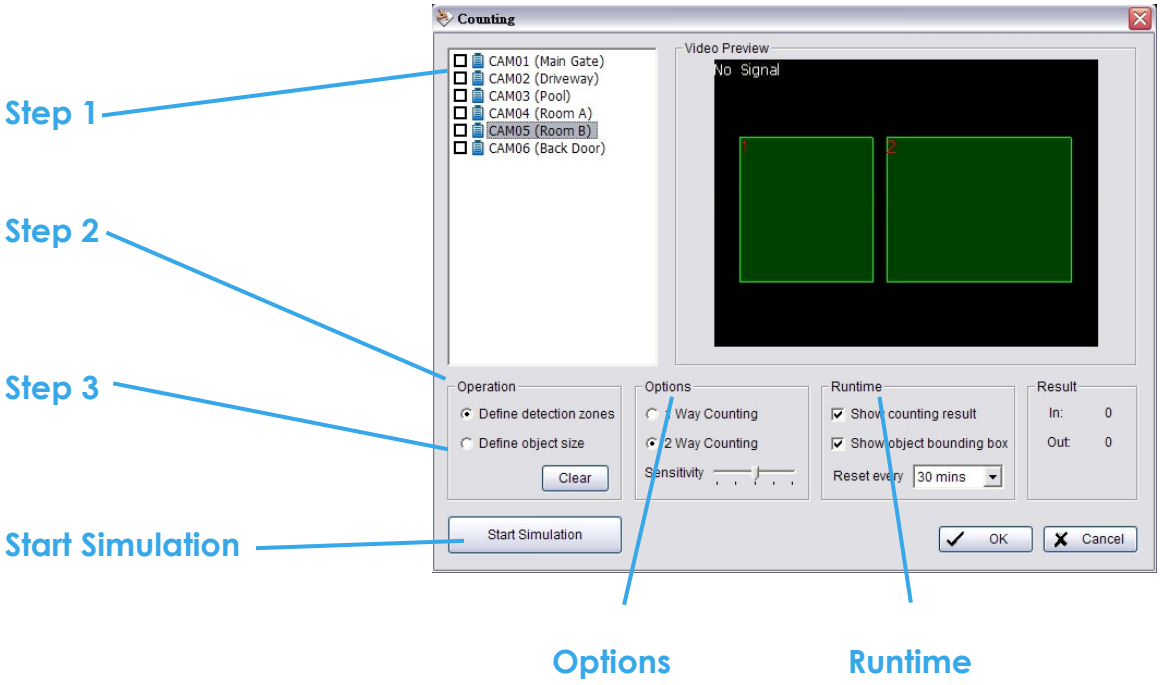
Save Configuration: To save a specific setting, go to Config > Save/ Load Configuration > Save. In the popup window, type in the file name and then save it as a cfg file.

Load Configuration: To load a specific setting, go to Config > Save/ Load Configuration > Load. In the popup window, go to the directory that you saved the cfg files at, select any one of them and then click OK to load the file. Main Console will be automatically shutdown after loading a new configuration. Please re-start Main Console manually.

Note: MainConsole will be automatically shutdown after loading a new configuration. Please re-start MainConsole manually.

5. Configuration

5.11 Counting Application



Step 1: Check the box of the camera to apply the Counting Application to it.

Step 2: In Operation section, check the option "Define detection zones" and drag the cursor to draw Region 1 and Region 2 on the Video Preview.

Step 3: In Operation section, check the option "Define object size" and drag the cursor to define the object size on the Video Preview. Objects that are about the size be counted while going across these two regions.

Options: 1Way Counting will take objects going from Region 1 to Region 2 as one count. In 2Way Counting mode, it counts either going from Region 1 to Region 2 or from Region 2 to Region 1.

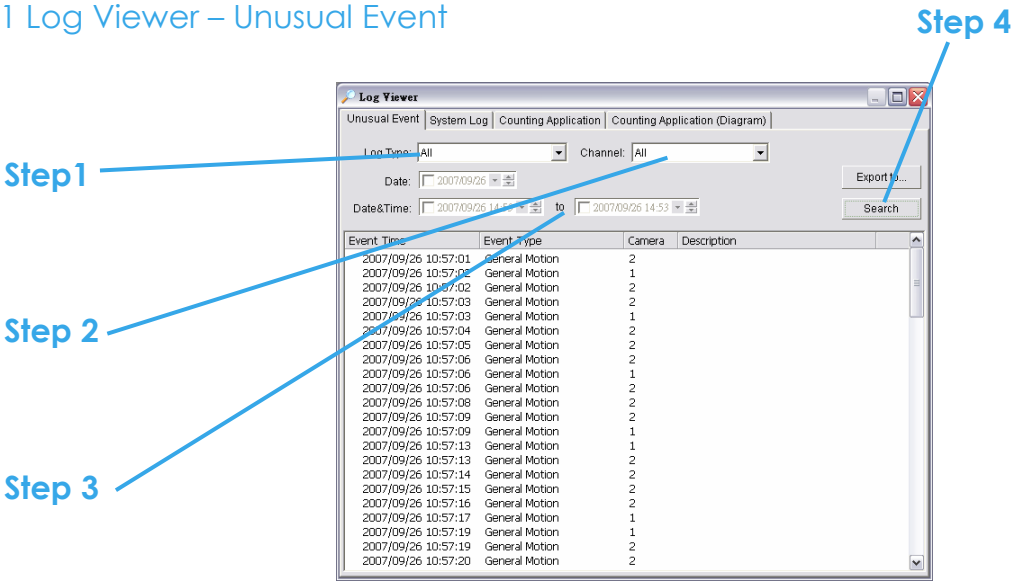
Runtime: Check the boxes to show the counting result on the screen and/ or show object bounding box, which draws the shape of the object that the system detects in red squares. You can choose from the drop-down menu of how long you want to reset the counting number.

Start Simulation: Click to test the setting.

5. Configuration

5.12 Log Viewer

5.11.1 Log Viewer – Unusual Event



Unusual Event: View the history of unusual event that had been detected by the Smart Guard System.

Step1: Choose the type of event you want to check or select "All" from the drop-down menu for all types of events.

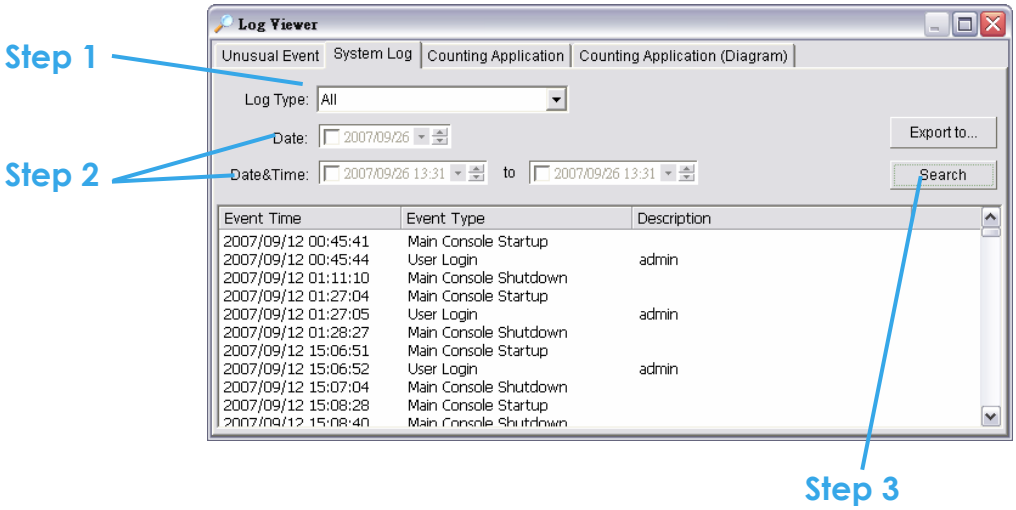
Step 2: Select the camera you want to check the event(s) from or select "All" for all available channels.

Step 3: You may view events happened on a particular date or during a given time period. To search and view unusual event happened on a particular date, mark the box right next to "Date" and indicate the date.

You may also point out two different time points and search for unusual events happened during the period. Mark the box in the Date&Time column and then enter the date and time.

Step 4: Click Search

5.12.2 Log Viewer – System Log



System Log: You can choose the log type from the drop-down menu, following is a complete list of all log types:

16. Main Console Startup
17. Main Console Shutdown
18. User Login
19. User Login Failed
20. Start Schedule
21. Stop Schedule
22. Execute Recycle
23. Execute Backup
24. Enable Channel
25. Disable Channel
26. Start Smart Guard
27. Stop Smart Guard
28. Modify Smart Guard
29. Modify Schedule
30. Modify Configuration
31. Start Live Streaming Server
32. Stop Live Streaming Server
33. Modify Live Streaming Server
34. Start Remote Playback Server
35. Stop Remote Playback Server
36. Modify Remote Playback Server
37. IP Camera Connection Lost

Step1: Choose the type of event you want to check or select "All" from the drop-down menu for all types of events.

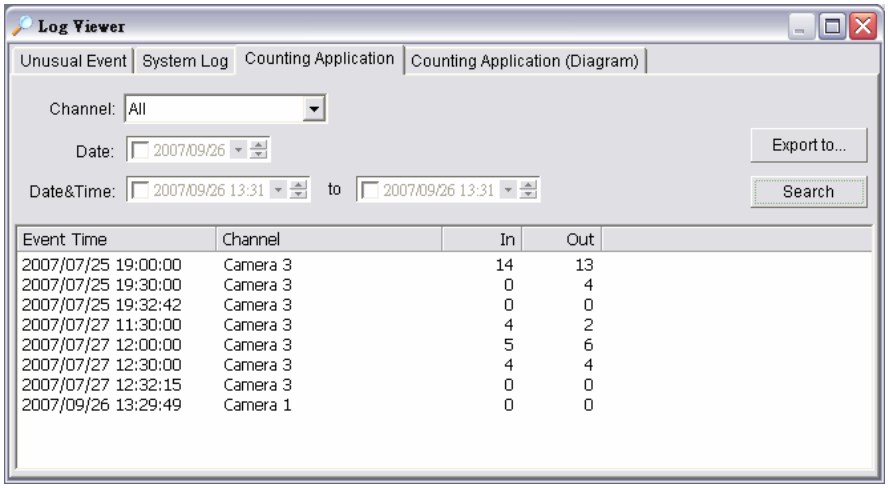
Step 2: You may view events happened on a particular date or during a given time period. To search and view unusual event happened on a particular date, mark the box right next to "Date" and indicate the date. You may also point out two different time points and search for unusual events happened during the period. Mark the box in the Date&Time column and then enter the date and time.

Step 3: Click Search.

5. Configuration

5.12.3 Log Viewer - Counting Application

Counting Application:
Display the history of Counting Application during a given time period.


Log Viewer
Unusual Event
System Log
Counting Application
Counting Application (Diagram)
Channel: All
Date: 2007/09/26
Date&Time: 2007/09/26 13:31 to 2007/09/26 13:31
Export to...
Search
Event Time | Channel | In | Out
2007/07/25 19:00:00 | Camera 3 | 14 | 13
2007/07/25 19:30:00 | Camera 3 | 0 | 4
2007/07/25 19:32:42 | Camera 3 | 0 | 0
2007/07/27 11:30:00 | Camera 3 | 4 | 2
2007/07/27 12:00:00 | Camera 3 | 5 | 6
2007/07/27 12:30:00 | Camera 3 | 4 | 4
2007/07/27 12:32:15 | Camera 3 | 0 | 0
2007/09/26 13:29:49 | Camera 1 | 0 | 0

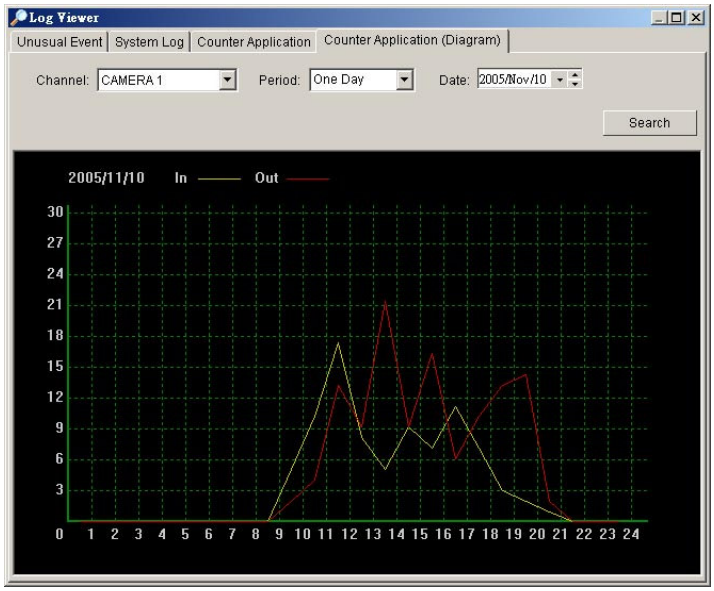
Step1: Select the channel you want to check or select "All" from the drop-down menu for all channels.

Step 2: You may view events happened on a particular date or during a given time period. To search and view unusual event happened on a particular date, mark the box right next to "Date" and indicate the date. You may also point out two different time points and search for unusual events happened during the period. Mark the box in the Date&Time column and then enter the date and time.

Step 3: Click Search.

5.12.4 Log Viewer - Counting Application (Diagram)

Counting Application (Diagram):
Display the Counting Application data in diagram format.



Step1: Select the channel you want to check or select "All" from the drop-down menu for all channels.

Step 2: From the drop-down menu, set up how you would like the diagram to be displayed. You have the options of one day, one month, or one year.

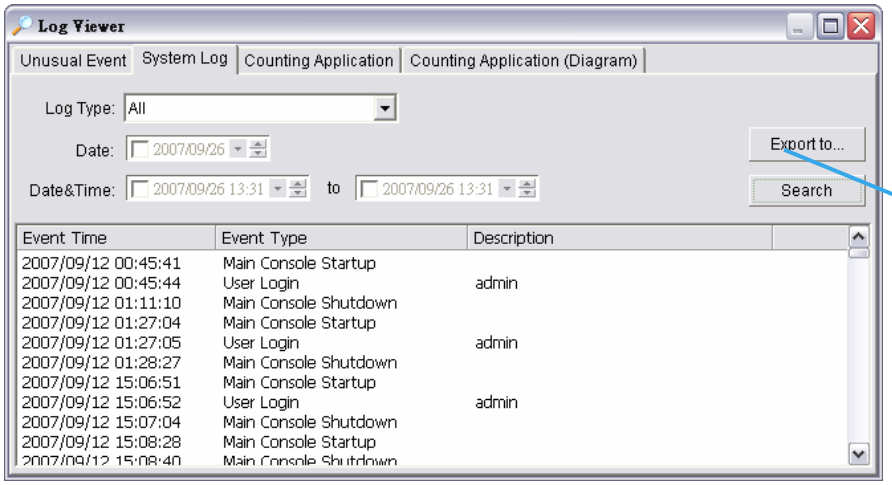
Step 3: Select a specific date to make it the start point of the diagram.

Step 4: Click Search.

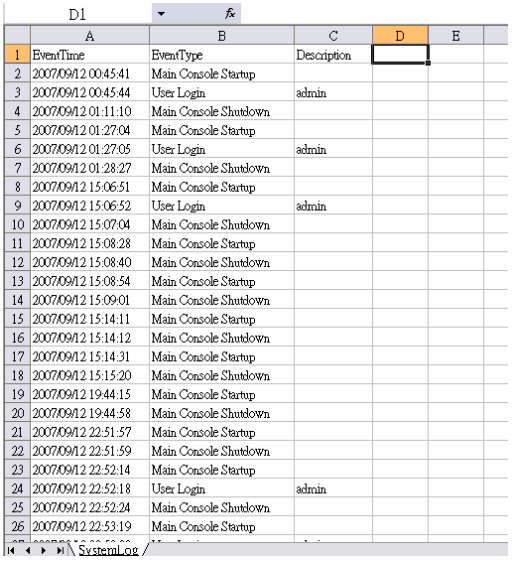
5. Configuration

5.12.5 Log Viewer - Export

After search the log you want, you can export to .xls or .txt file.



Step1: Press the button "Export to".
Step2: Type the file name and choose the file format (.xls or .txt).



	A	B	C	D	E
1	EventTime	EventType	Description		
2	2007/09/12 00:45:41	Main Console Startup			
3	2007/09/12 00:45:44	User Login	admin		
4	2007/09/12 01:11:10	Main Console Shutdown			
5	2007/09/12 01:27:04	Main Console Startup			
6	2007/09/12 01:27:05	User Login	admin		
7	2007/09/12 01:28:27	Main Console Shutdown			
8	2007/09/12 15:06:51	Main Console Startup			
9	2007/09/12 15:06:52	User Login	admin		
10	2007/09/12 15:07:04	Main Console Shutdown			
11	2007/09/12 15:08:28	Main Console Startup			
12	2007/09/12 15:08:40	Main Console Shutdown			
13	2007/09/12 15:08:54	Main Console Startup			
14	2007/09/12 15:09:01	Main Console Shutdown			
15	2007/09/12 15:14:11	Main Console Startup			
16	2007/09/12 15:14:12	Main Console Shutdown			
17	2007/09/12 15:14:31	Main Console Startup			
18	2007/09/12 15:15:20	Main Console Shutdown			
19	2007/09/12 19:44:15	Main Console Startup			
20	2007/09/12 19:44:58	Main Console Shutdown			
21	2007/09/12 22:51:57	Main Console Startup			
22	2007/09/12 22:51:59	Main Console Shutdown			
23	2007/09/12 22:52:14	Main Console Startup			
24	2007/09/12 22:52:18	User Login	admin		
25	2007/09/12 22:52:24	Main Console Shutdown			
26	2007/09/12 22:53:19	Main Console Startup			

```
2007/09/12 00:45:41, Main Console Startup,
2007/09/12 00:45:44, User Login, admin
2007/09/12 01:11:10, Main Console Shutdown,
2007/09/12 01:27:04, Main Console Startup,
2007/09/12 01:27:05, User Login, admin
2007/09/12 01:28:27, Main Console Shutdown,
2007/09/12 15:06:51, Main Console Startup,
2007/09/12 15:06:52, User Login, admin
2007/09/12 15:07:04, Main Console Shutdown,
2007/09/12 15:08:28, Main Console Startup,
2007/09/12 15:08:40, Main Console Shutdown,
2007/09/12 15:08:54, Main Console Startup,
2007/09/12 15:09:01, Main Console Shutdown,
2007/09/12 15:14:11, Main Console Startup,
2007/09/12 15:14:12, Main Console Shutdown,
2007/09/12 15:14:31, Main Console Startup,
2007/09/12 15:15:20, Main Console Shutdown,
2007/09/12 19:44:15, Main Console Startup,
2007/09/12 19:44:58, Main Console Shutdown,
2007/09/12 22:51:57, Main Console Startup,
2007/09/12 22:51:59, Main Console Shutdown,
2007/09/12 22:52:14, Main Console Startup,
2007/09/12 22:52:18, User Login, admin
2007/09/12 22:52:24, Main Console Shutdown,
2007/09/12 22:53:19, Main Console Startup,
```

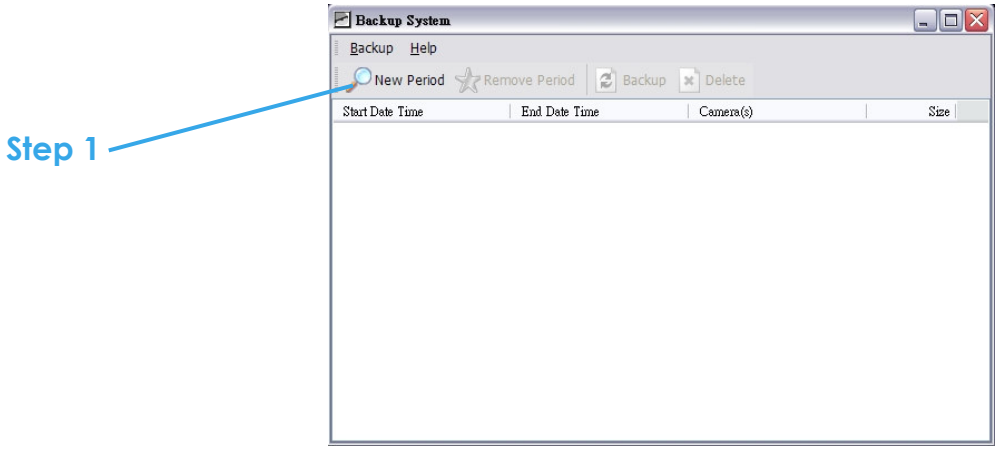
.xls **.txt**

5.13 Backup

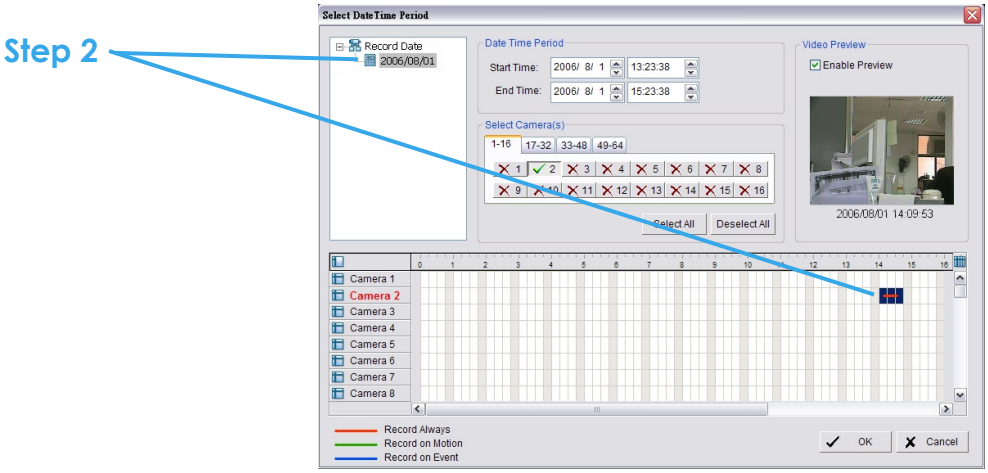
5.13.1 Backup

The backup function saves video record and other log information. User may open backup files on any PC with Windows Operation System and operate the full function Playback panel on it. Follow the instructions below to obtain backup files.

Step 1: Click on "New Period" to obtain the Select DateTime Period panel.



Step 2: From the record date section, select the date you want to backup from. You will see color lines appear in the time table implying available data recorded. Red, green, and blue stands for record always, record on motion, and record on event data files, respectively.



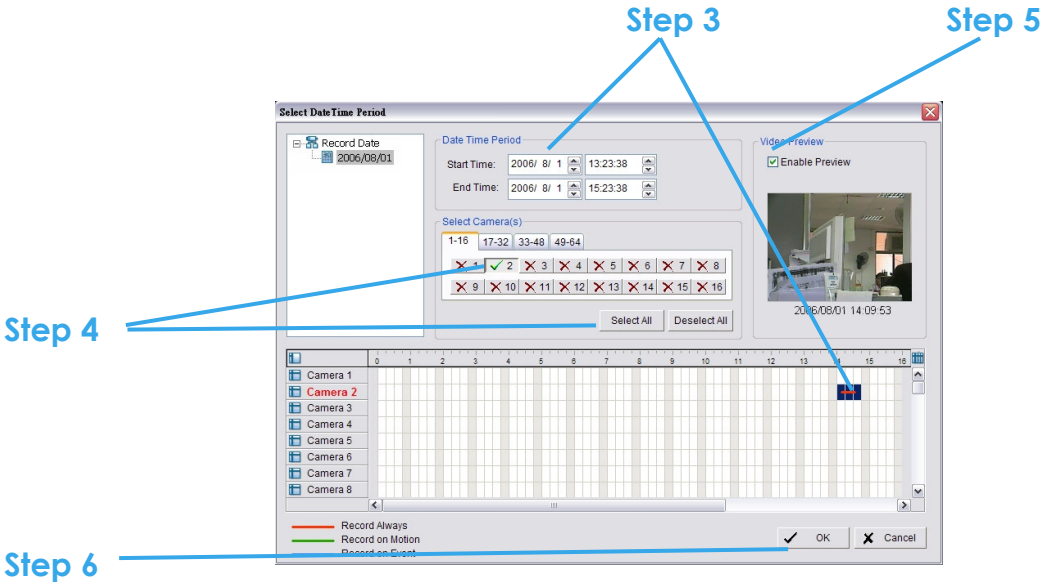
5. Configuration

Step 3: Select the data you want to backup by highlighting the time period. Besides the time-table, you may also set up start time and end time in the Date Time Period section.

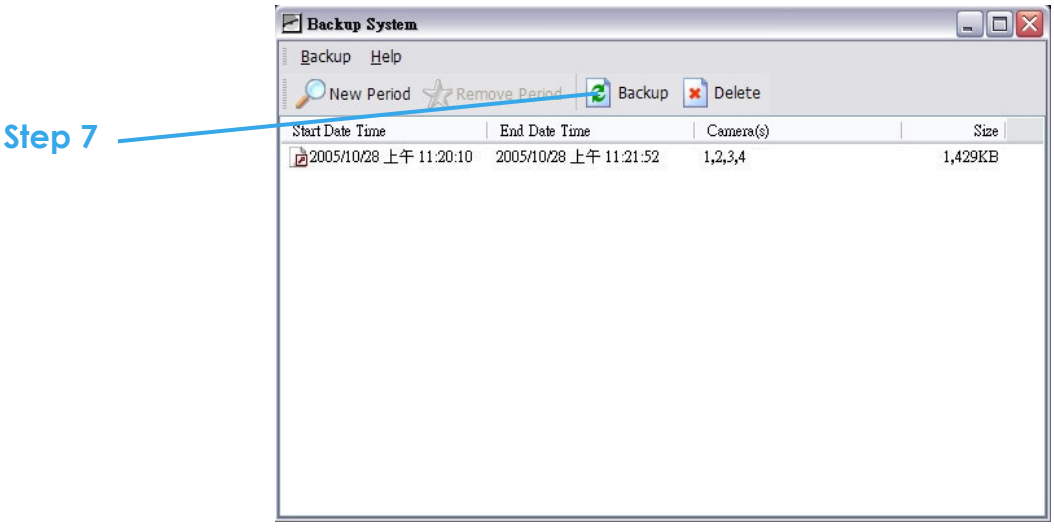
Step 4: Click on the camera number icon to add camera(s) or click Select All to add all the cameras.

Step 5: Check the box of Enable Preview to get the preview of the video you select.

Step 6: Click OK when the settings are complete and go back to the Backup panel.



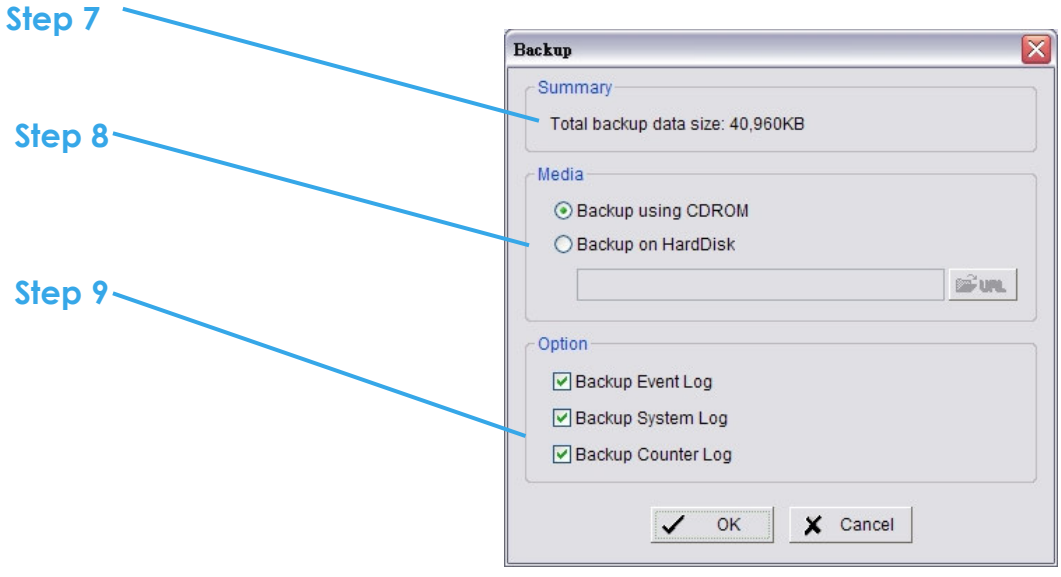
5. Configuration



Step 7: Click the Backup icon to see the size of the file.

Step 8: Choose the path you want to save the file or burn the file into a CD (direct CD burning for Windows XP only).

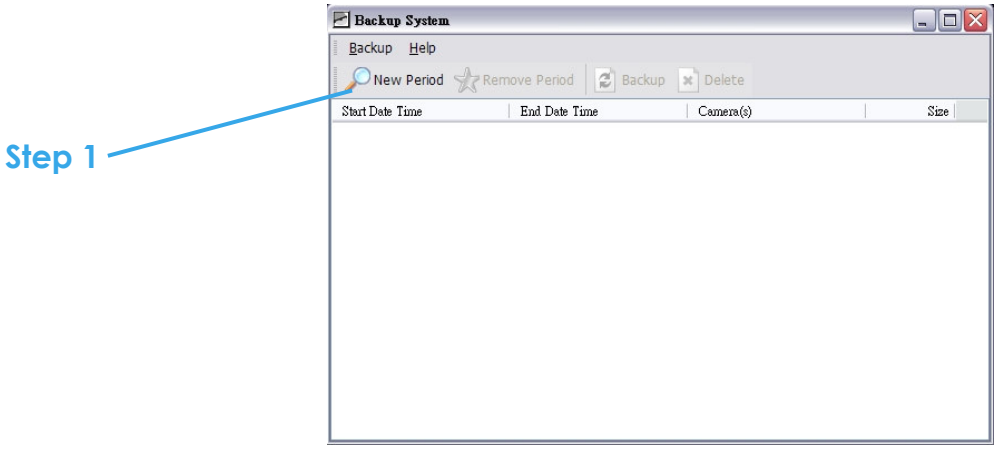
Step 9: Select the log information you would like to backup (Event Log, System Log and/or Counter Log) and then click OK.



5. Configuration

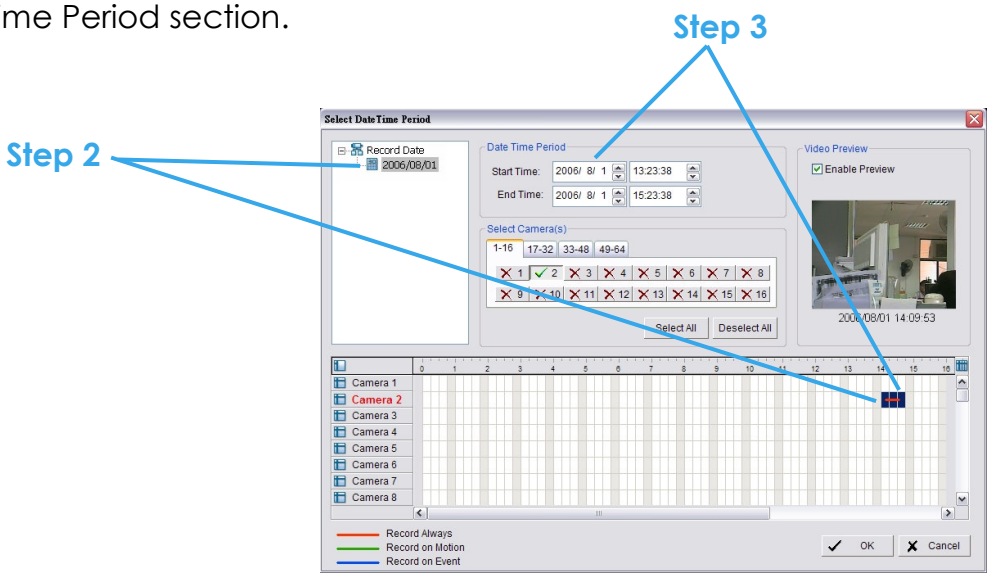
5.13.2 Delete Recorded Information from the System

Step 1: Click on "New Period" to obtain the Select Date Time Period panel.



Step 2: From the record date section, select the date you want to delete the file from. You will see color lines appear in the time table implying available data. Red, green, and blue stands for record always, record on motion, and record on event data files, respectively.

Step 3: Select the data you want to delete by highlighting the time period. Besides the time-table, you may also set up start time and end time in the Date Time Period section.

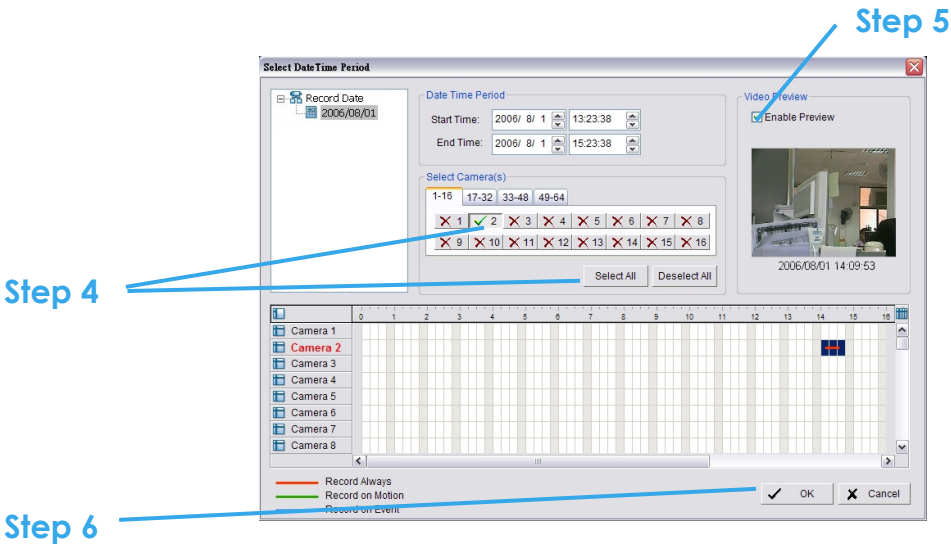


5. Configuration

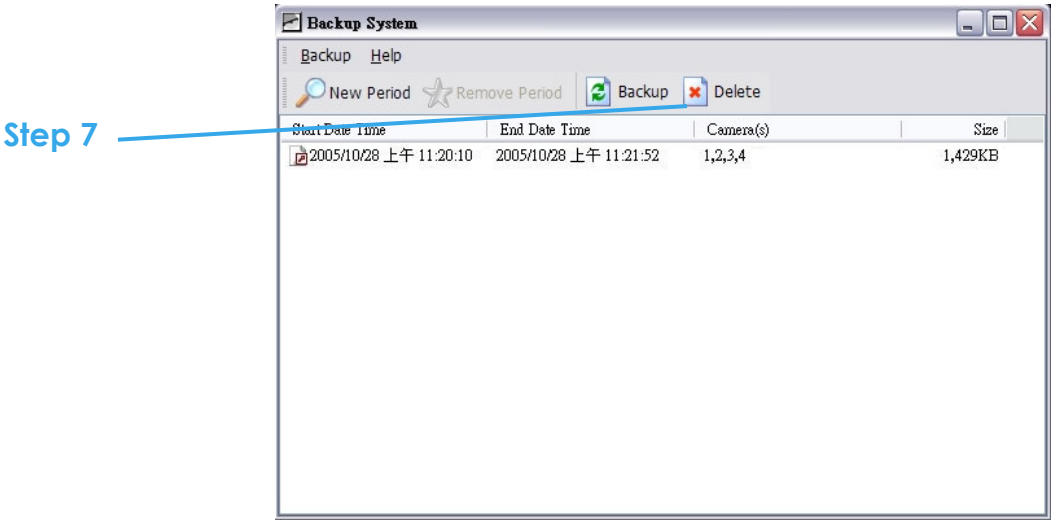
Step 4: Click on the camera number icon to add camera(s) or click Select All to add all the cameras.

Step 5: Check the box of Enable Preview to get the preview of the video you select.

Step 6: Click OK when the settings are complete and go back to the Backup panel.



Step 7: Click on the "Delete" icon and delete the data.
Note: the deleted video cannot be recovered.



5. Configuration

5.14 Network Service

There are 3 types of network services: live streaming server, remote playback server, and 3GPP service. From the Main Console, go to Config > Network Service to obtain the Network Service panel.

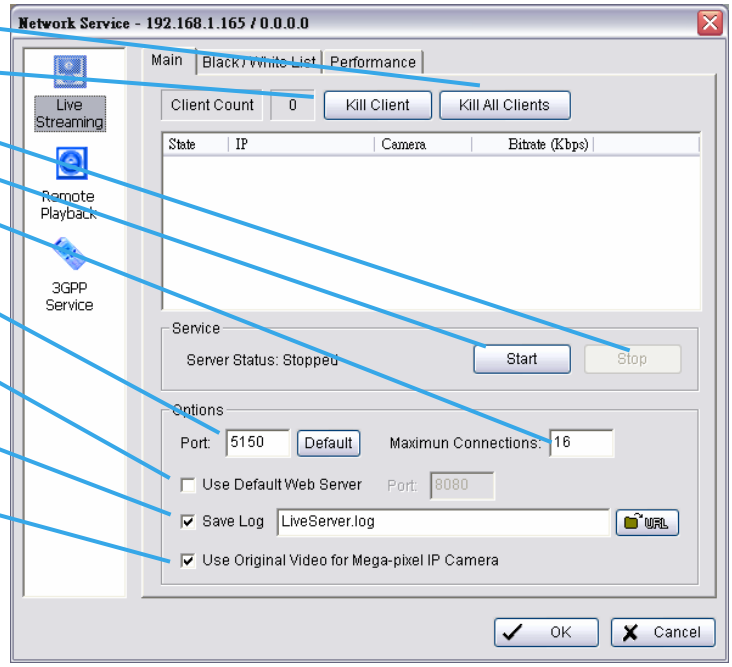
5.14.1 Live Streaming Server

When starting the live streaming function of your computer, you allow remote users to log on to the specific computer and view cameras that are connected to it. As system administrator, you are able to monitor these accounts in order to maintain the system efficiency.

Main

On Live Streaming Server panel, you can see the clients who are currently logging on to your computer and watching the live video from the remote side.

- **Kill All Clients**
- **Kill Client**
- **Stop**
- **Start**
- **Maximum Connections**
- **Port**
- **Use Default Web Server**
- **Save Log**
- **Use Original Video for Megapixel IP Camera**



5. Configuration

Start: By starting the system, you turn the computer into a live streaming server; thus allow remote users to log on to the system.

Kill Client: Highlight an IP address and click on the "Kill Client" button to block a client from your system.

Kill All Clients: By clicking on this button, you may block all the clients logging to your system.

Stop: Stop broadcasting live stream video.

Options: You may only adjust the setting when the server is stopped.

Port: Assign a port for the clients to connect to your system to the network.

Maximum Connections: Number of connections that are allowed to connect to your system. One camera video counts as one connection.

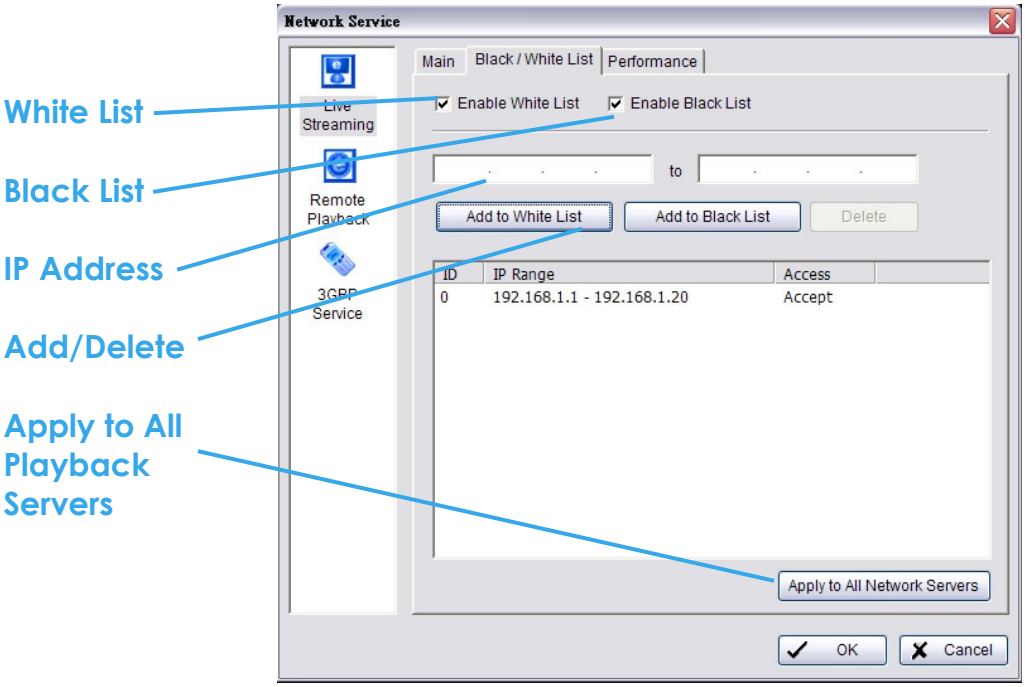
Use Default Web Server: Activate the Web server by checking the box; clients will be able to watch live video via Internet Explorer. The port for live streaming server is set to 80 by default. (*must check this item for system access via IE)

Save Log: Save the log information at appoint folder.

Use Original Video for Megapixel IP Camera: Check this box for original megapixel resolution; otherwise, the resolution will be compressed for better transmitting quality purpose.

5. Configuration

Black/ White List



White List: Check the "Enable White List" box to activate the white list filter. Only IP from the white list is allowed to log in.

Black List: Check the "Enable Black List" box to activate the black list filter. IP from the black list will be blocked.

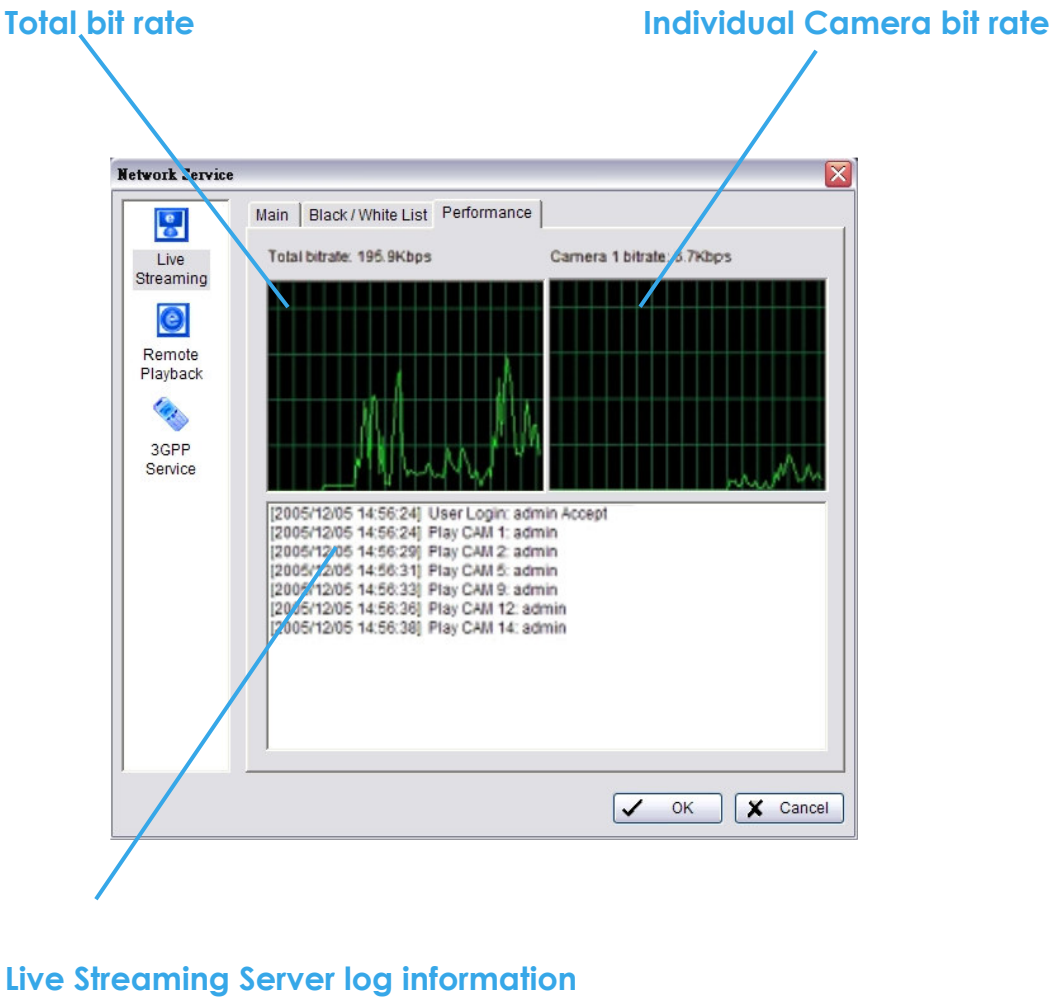
IP Address: Enter an IP address into the IP address field on the left. To add an IP address range to the system, enter 2 sets of IP address to indicate a series of IPs.

Add/Delete: To Add the IP(s) onto the list or remove it from the list.

Apply to All Playback Servers: To apply the setting to both live streaming server and remote playback server.

5. Configuration

Performance



5. Configuration

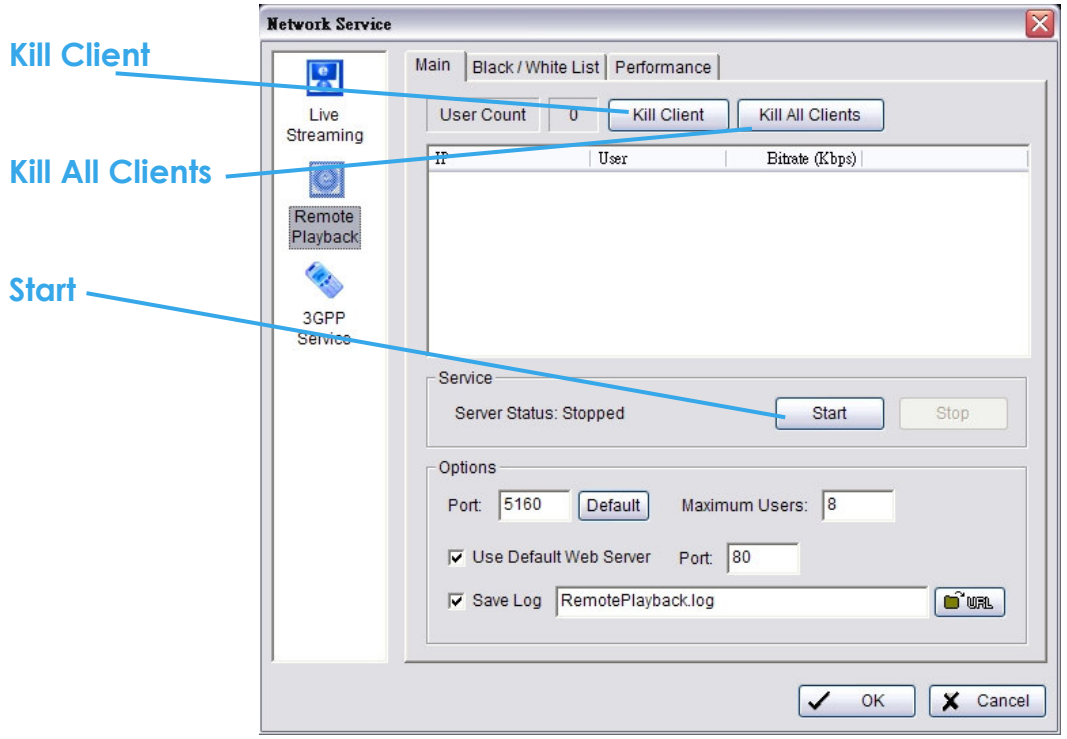
5.14.2 Remote Playback Server

When starting the remote playback function of your computer, you allow remote users to log on to the specific computer and withdraw data files that are stored on it. As system administrator, you are able to monitor the accounts that log on in order to maintain the system efficiency.

Main

On Remote Playback Server panel, you can see the clients who are currently logging on to your computer and watching the live video from the remote side.

Start: By starting the system, you turn the computer into a remote playback server; thus allow remote users to access the system.

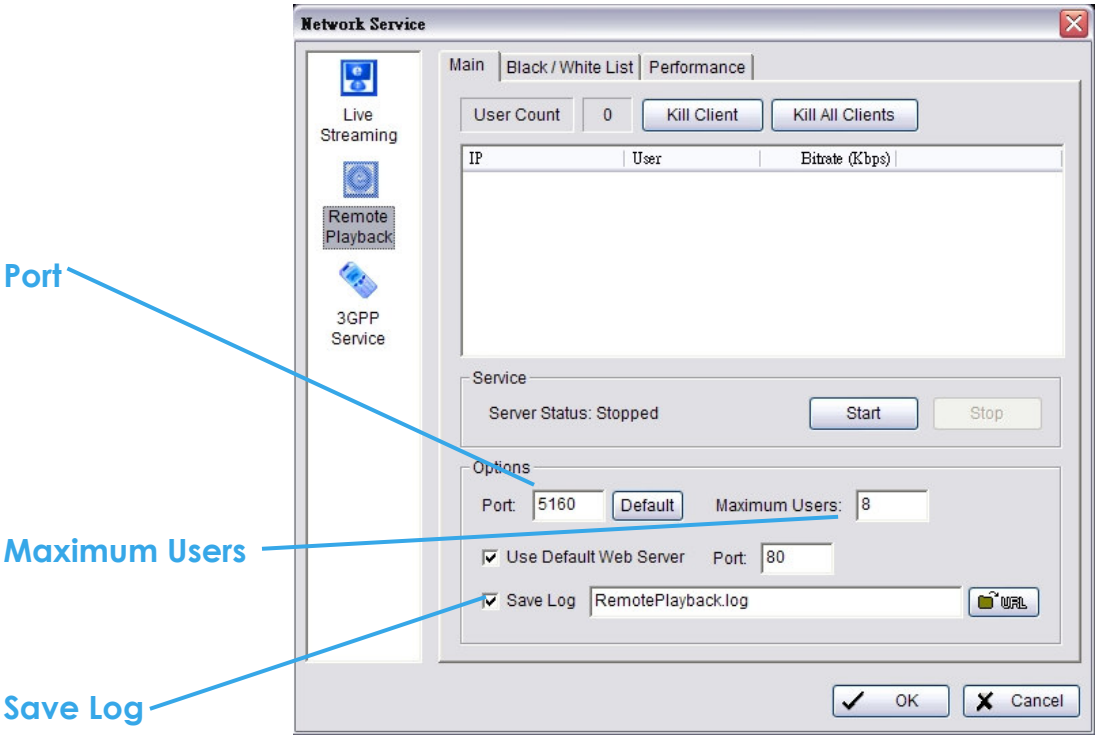


Kill Client: Highlight an IP address and click on the "Kill Client" button to block a client from your system.

Kill All Clients: By clicking on this button, you may block all the clients logging to your system.

5. Configuration

Stop: Stop broadcasting playback video.



Options: You may only adjust the setting when the server is stopped.

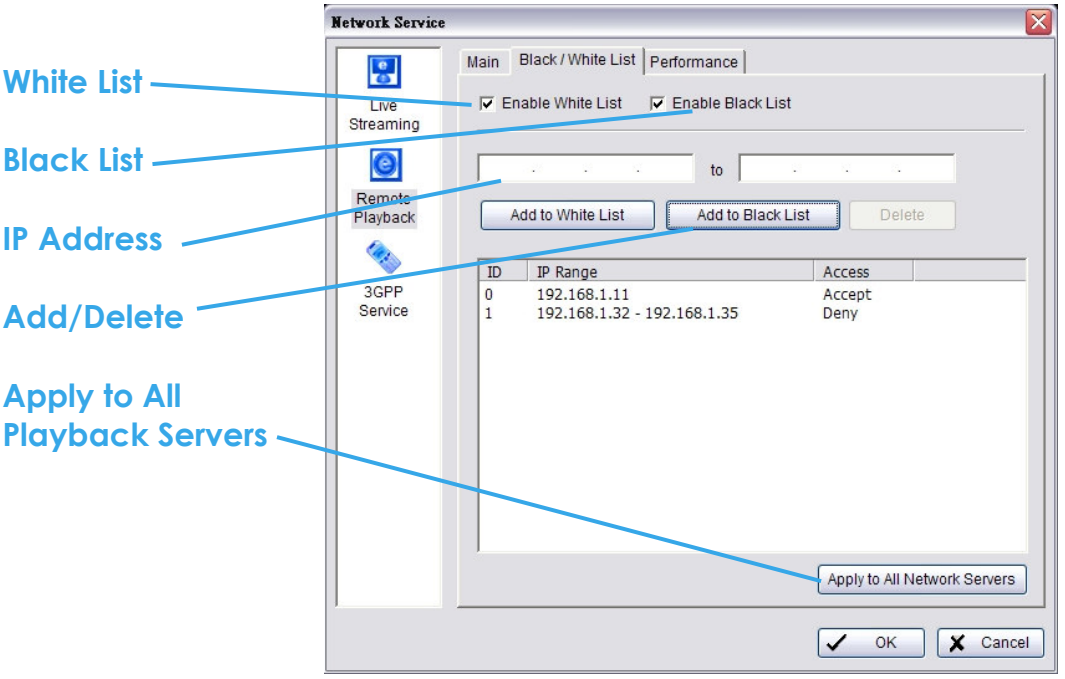
Port: Assign a port for the remote playback server to connect to your system to the network.

Maximum Connections: Number of connections that are allowed to connect to the Remote Playback Server. One camera video counts as one connection.

Save Log: Save the log information at appoint folder.

5. Configuration

Black/ White List



White List: Check the "Enable White List" box to activate the white list filter. Only IP from the white list is allowed to log in.

Black List: Check the "Enable Black List" box to activate the black list filter. IP from the black list will be blocked.

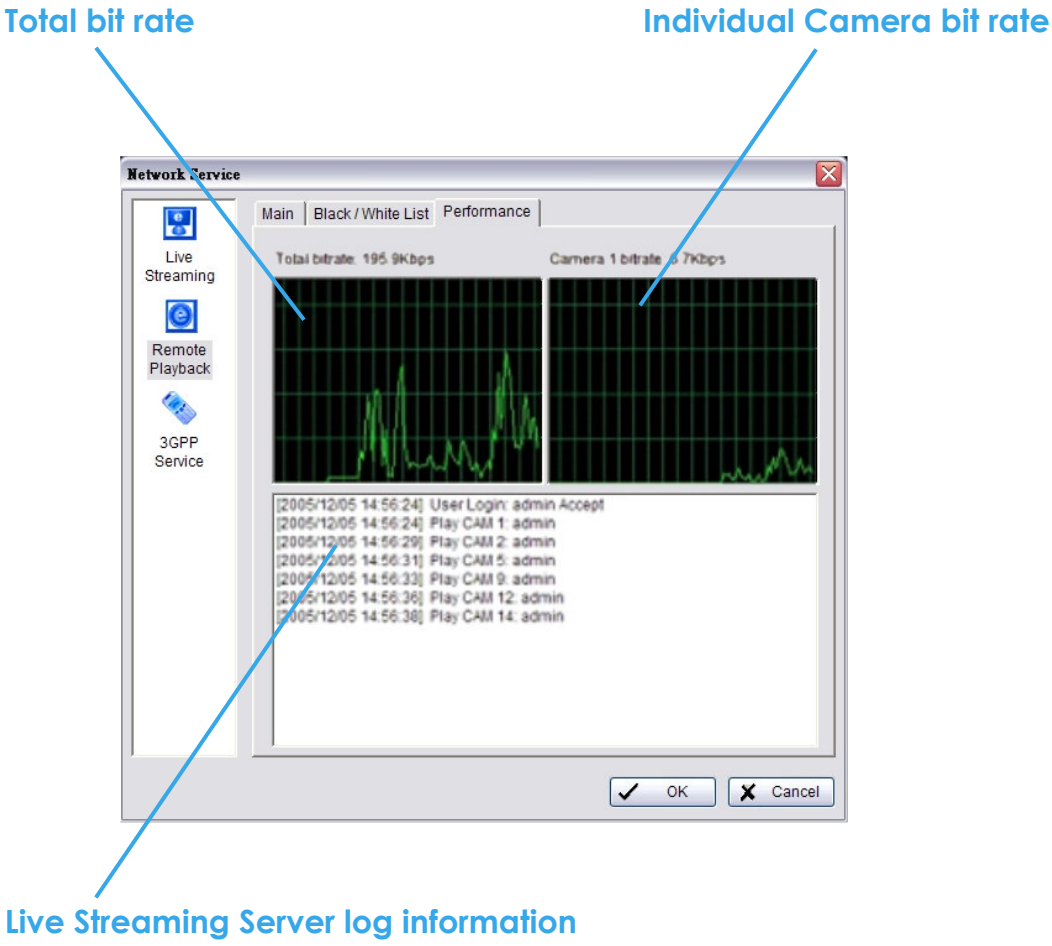
IP Address: Enter an IP address into the IP field on the left. To add an IP range to the system, enter 2 sets of IP to indicate a series of IPs.

Add/Delete: To Add the IP(s) onto the list or remove it from the list.

Apply to All Playback Servers: To apply the setting to both live streaming server and remote playback server.

5. Configuration

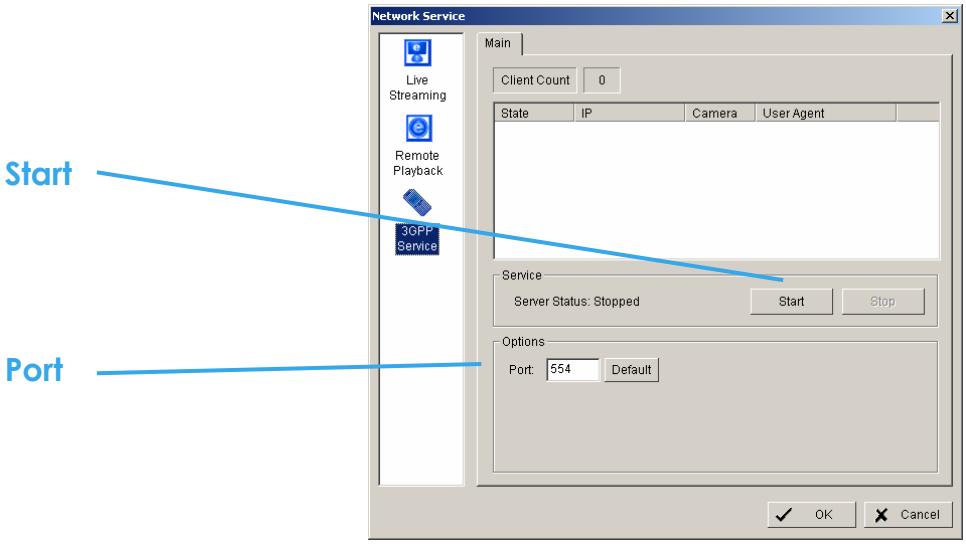
Performance



5. Configuration

5.14.3 3GPP Service

When starting the 3GPP service function of your computer, you allow remote users to log on the 3GPP supported mobile phone and view cameras that are connected to it. See Appendix A on page 122 for more details about 3GPP Service.



Start: By starting the system, you turn the computer into a remote playback server; thus allow remote users to access the system.

Stop: Stop broadcasting playback video.

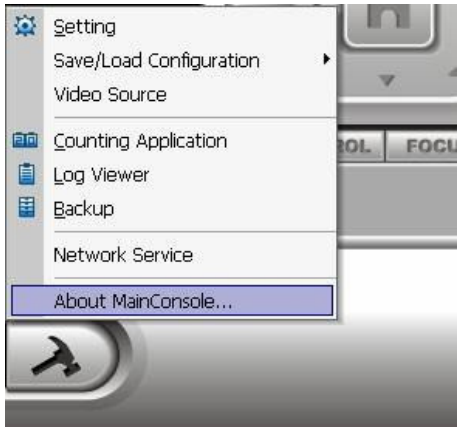
Options: You may only adjust the setting when the server is stopped.

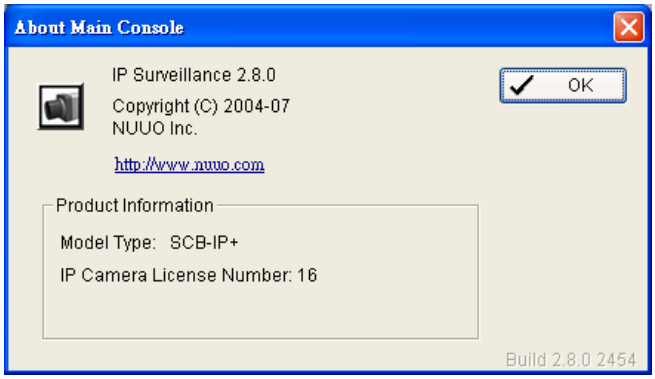
Port: Assign a port for the clients to connect to your system to the network.

5. Configuration

5.15 About Main Console

Go to About Main Console to view the version of your surveillance system and the hardware information.

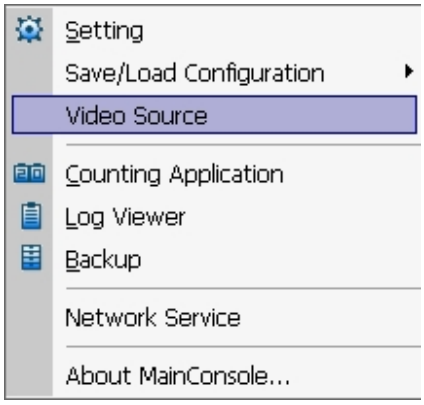


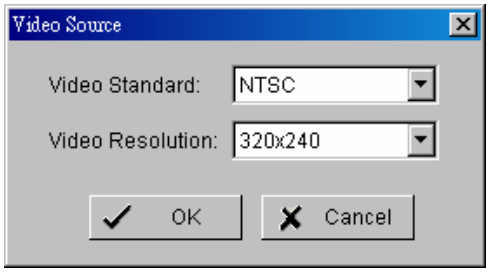


5.16 Video Source

(For system with MP4 capture device only)

Go to Video Source to adjust the Video Standard to NTSC or PAL and adjust the maximum Video Resolution for all analog cameras.

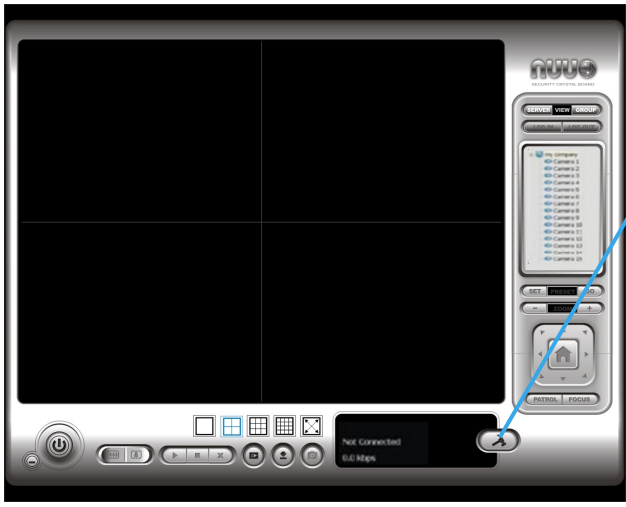




6. Remote Live Viewer

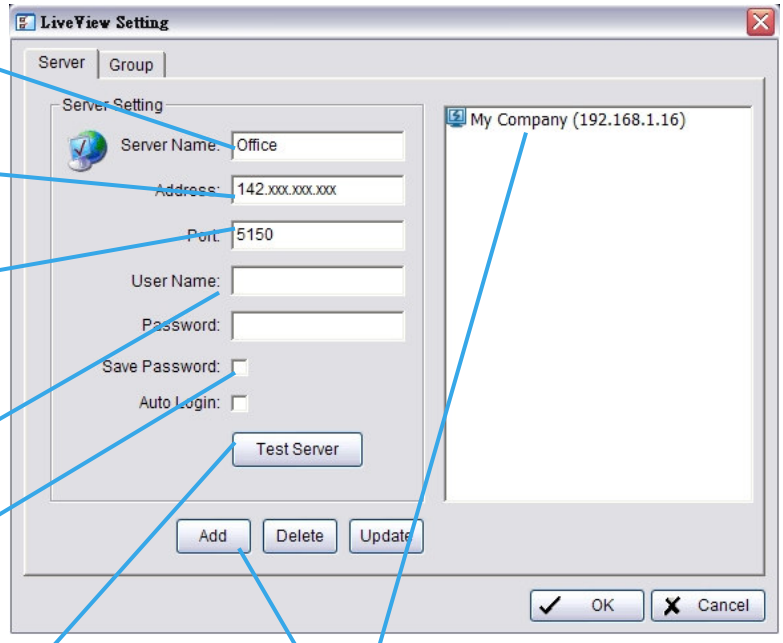
With the Remote Live Viewer console, remote users may watch real-time video from remote live streaming servers.

6.1 Setup Panel



Click on the setup icon to obtain the setup panel

6.1.1 Setup Panel—Server



Name the server

Enter the server IP Address

Enter the connecting port of the server

Enter the user name and password

Check the box to automatically log in the server when starting Live Viewer

Test the server first to see if the settings are correct

Click "Add" and the sever will appear on the list

6. Remote Live Viewer

6.1.2 Setup Panel—Group

You may put different cameras into the same group

Step 1: Go to the Group tab of the LiveView Setting panel.

Step 2: Log in to all the servers that contain the camera(s) you would like to put into the group(s).

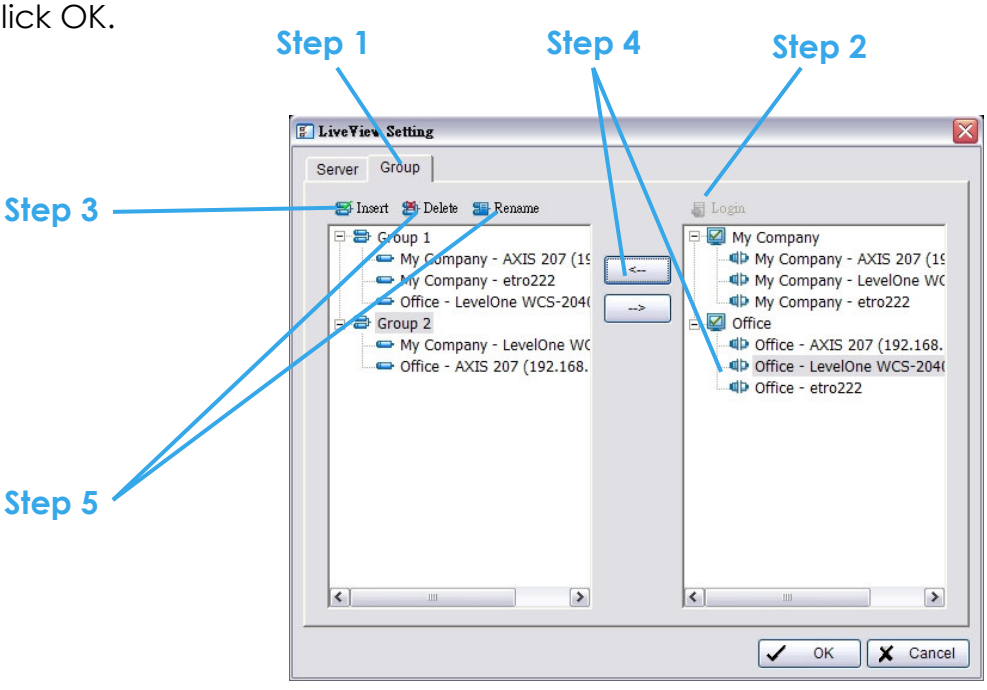
Step 3: Click "Insert" to create a new group; name the group for future reference.

Step 4: From the window at the right, highlight the camera(s) that you would like to add to a group and then click on the "<--" button. Repeat the process until you are satisfied with the group setting.

Step 5: Click on the Delete and Rename button to remove or rename a specific group.

Step 6: Repeat Step 3 to 5 until you are done with creating and setting groups.

Step 7: Click OK.



6.2 Show Camera(s) On the Display Screen

Select a camera(s) from the server/ camera list on the right and then drag it to where you want the image to be displayed.

On the server/ camera list, right click on a camera to connect/ disconnect it.

6.2.1 Log In/ Log Out: Select a server or a group and click on the log in/ out icon to access/ leave the server. You may also log in/ out from the server by right clicking on it.

6.2.2 Server and Camera List: Display a complete list of the server(s) and camera(s) that are added to the system.

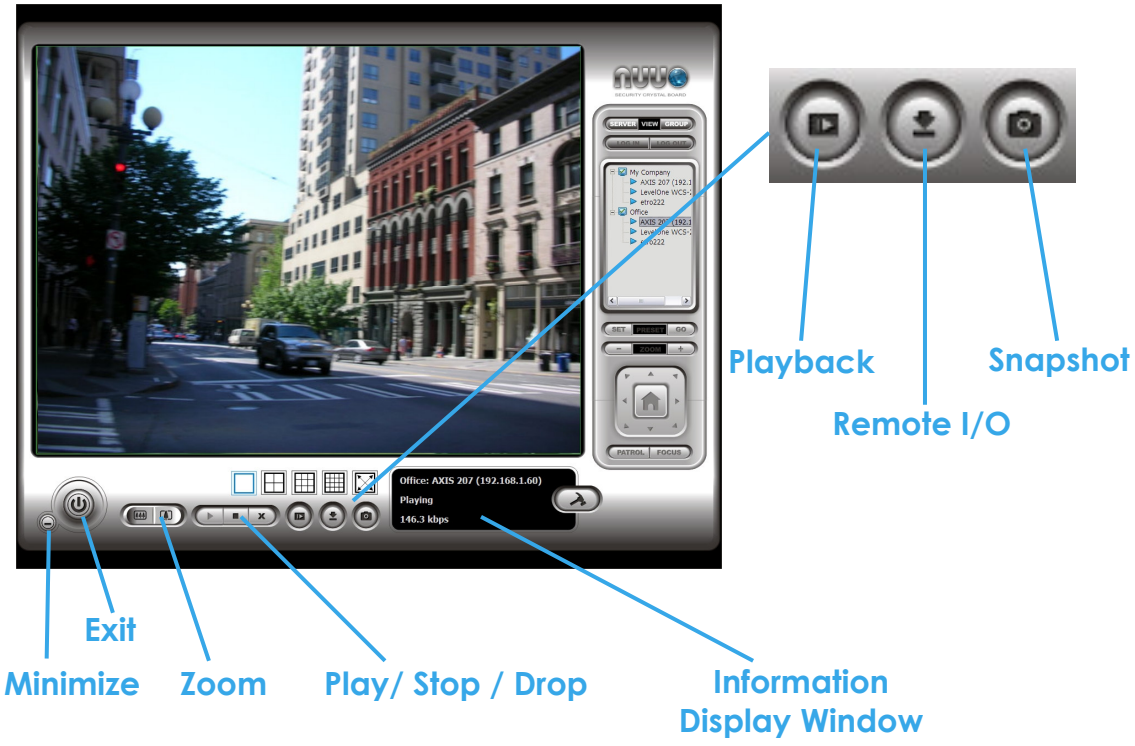
6.2.3 PTZ Camera Control: You may control the camera view by utilizing the PTZ camera control panel to adjust the camera's view. This is only available with cameras that support PTZ function.

Log In/ Log Out (Server/ Group)

Server and Camera List

PTZ Camera Control

6. Remote Live Viewer



6.2.4 Minimize: Minimize the Remote Live View Console window.

6.2.5 Exit: Shut down the system or log out current user.

6.2.6 Digital Zoom: Click on the + and – signs to zoom in and out the view.

6.2.7 Play / Stop/ Drop: Select a camera/ video and click on this button to play/stop/disconnect a particular channel.

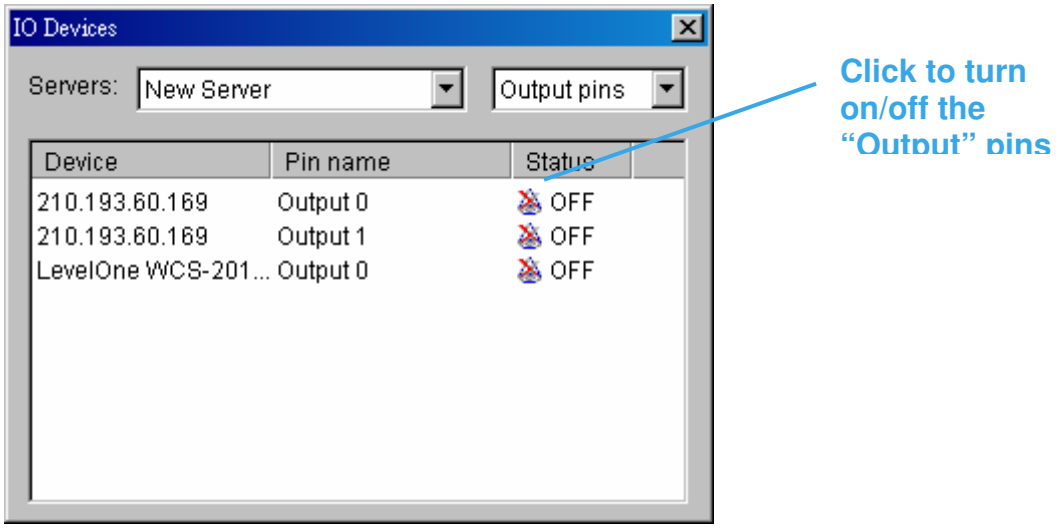
6.2.8 Information Display Window: Display video information including server name, video current status, and bit rate for a selected channel.

6.2.9 Playback: View playback video remotely.

6.2.10 Remote I/O: Utilize I/O device function remotely.

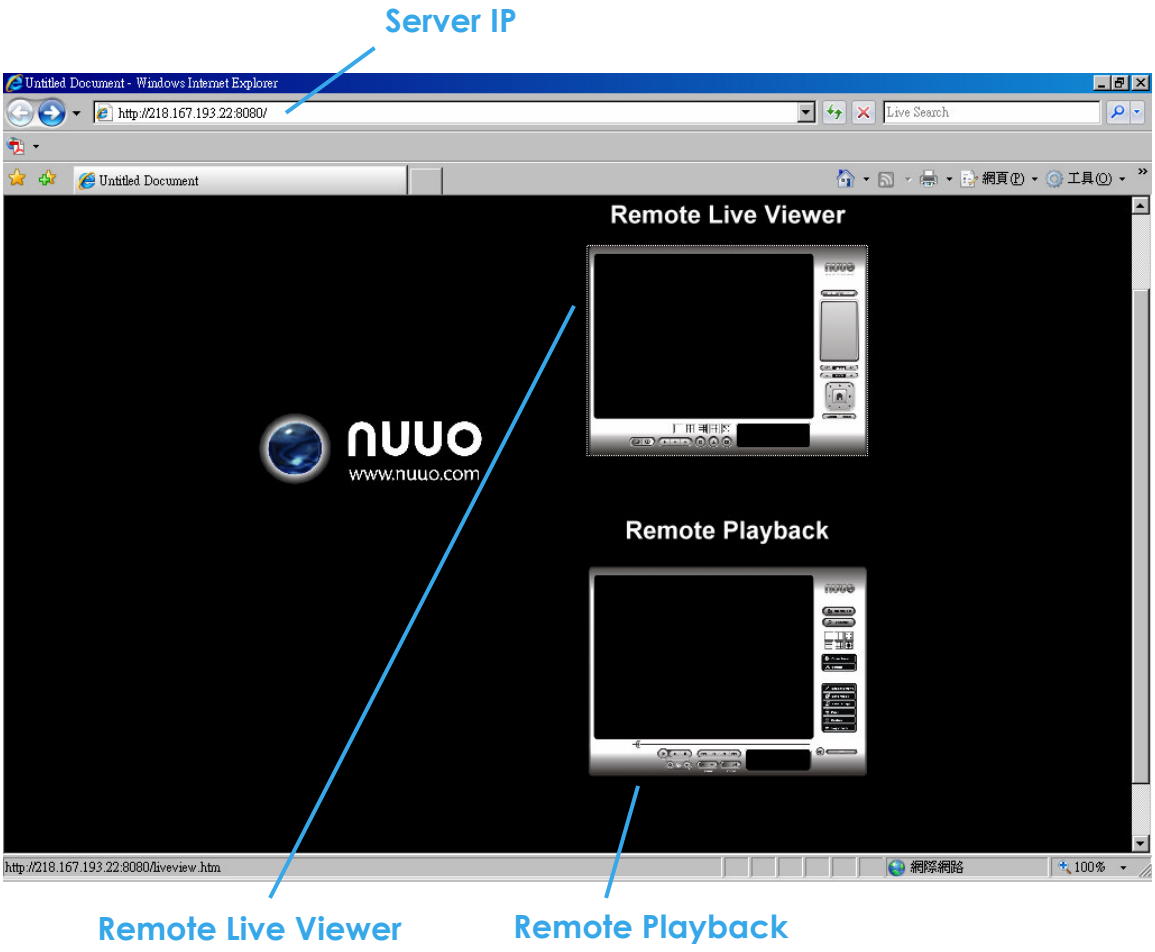
- User can remote adjust the Output Pins by turning it on or off

6. Remote Live Viewer



6.2.11 Snapshot: Select the snapshot function to capture a specific video image immediately.

7. Web View



Note: Must make sure the Liver Stream Server is enabled. Check 5.1.3 Network Service for more detail.

7.1 Server IP: Open an Internet Explorer browser and enter the IP address or DDNS "name" of the server followed by the connecting port.
Example: http://192.168.1.16:8080/

Note: 192.168.1.16 is the IP address of the server.
8080 is the port specified in "Use Default Web Server" in Network Service.

7. Web View

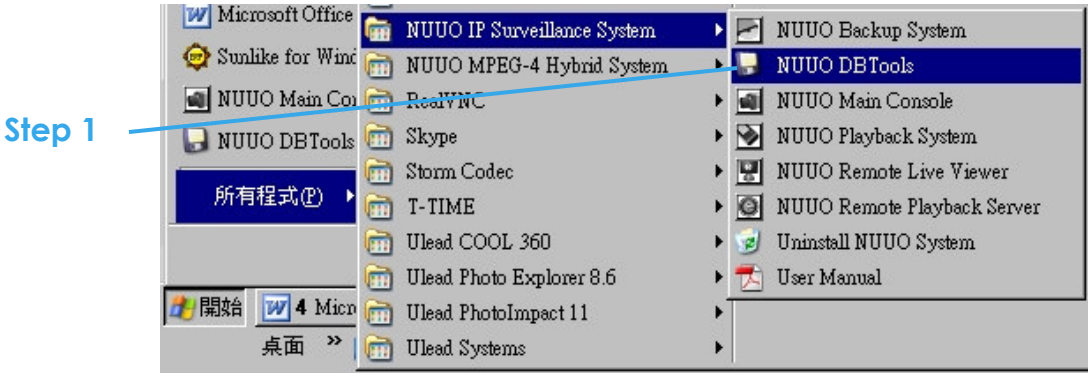
7.2 Remote Live Viewer: Press this icon to use Remote Live Viewer which functions are the same as Remote Live Viewer. See page 108.

7.3 Remote Playback: Press this icon to use Remote Playback which functions are the same as Playback but remote server and backup functions. See page 22.

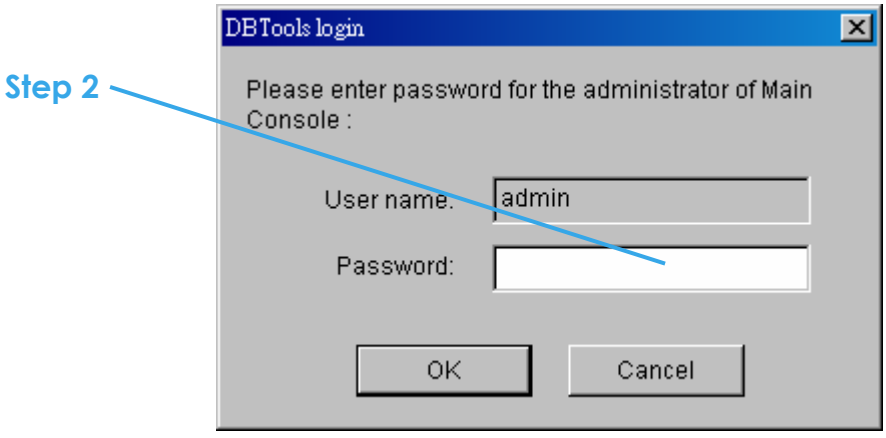
8. DB Tool

The DB Tool Export/import database files; Export configurations; and Edit storage location.
Warning : improper use of this DB Tool may cause lose of the recorded video data.

Step 1: Execute DB Tool from program files.



Step 2: Enter the password of administrator to login.

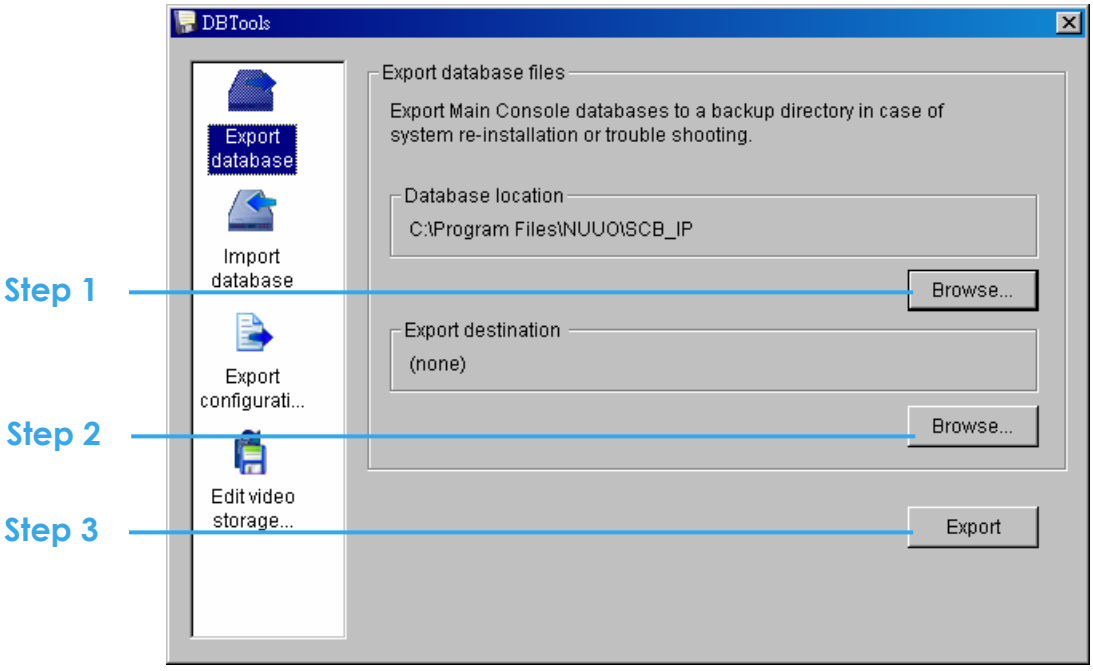


8.1 Export Database

Step 1: Select system database location (generally they will reside in c:\program files\your_installation_directory\).

Step 2: Select the destination you want to export.

Step 3: Press "Export" to start to export database.

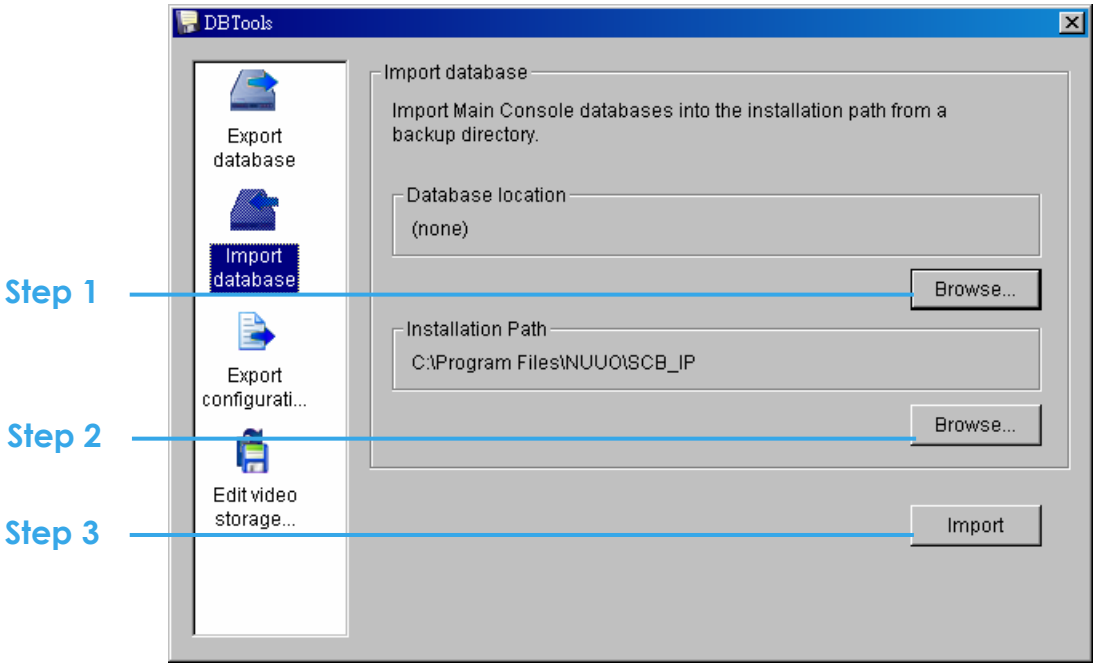


8.2 Import Database

Step 1: Select the database location you want to import.

Step 2: Select the installation path you want to import.

Step 3: Press "Import" to start to import database.

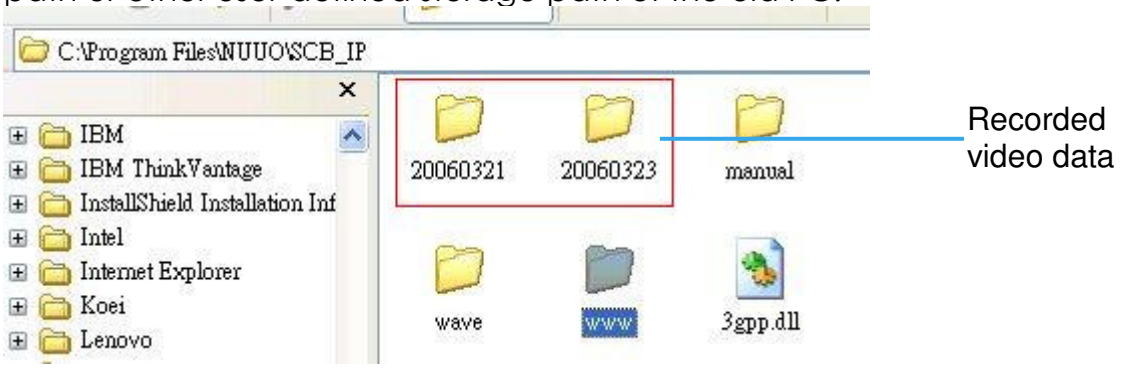


8. DB Tool

Example of using export database and import database:

In certain case that when video data needs to be transfer from old PC to another new PC, user will need to perform the following procedure.

1. Manually copy all recorded video data from the default installation path or other user-defined storage path of the old PC.



2. Run "8.1 Export database" on old PC.

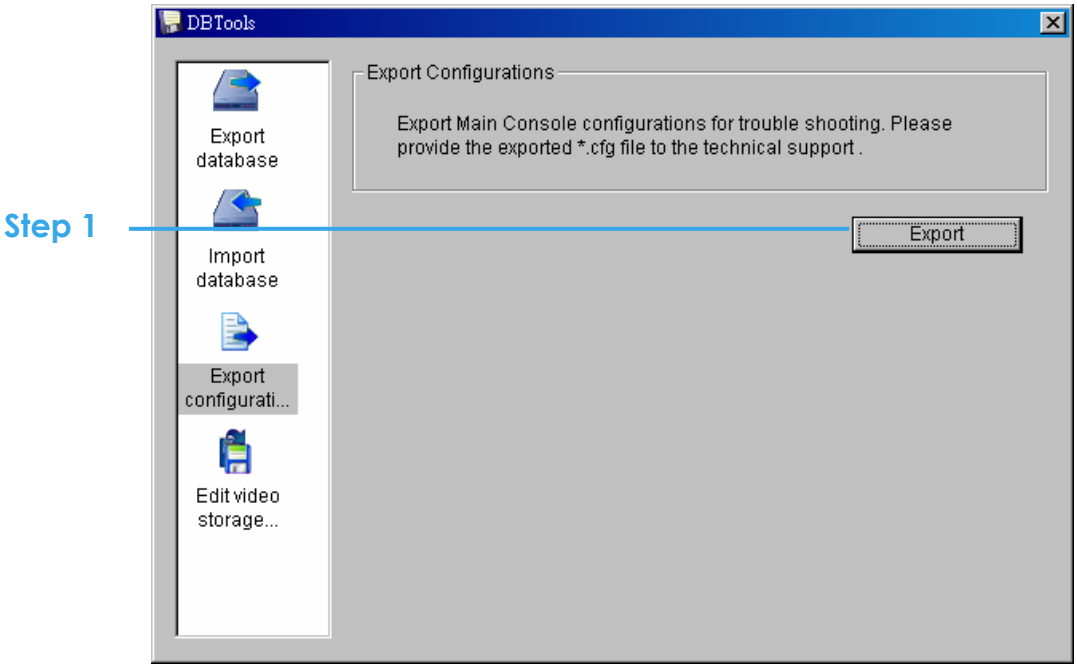
3. Manually paste all recorded video data to the default installation path or other user-defined storage path of the new PC

4. Run "8.2 Import database" on new PC

5. Old recorded video data can be viewed by NUUO playback system on the new PC.

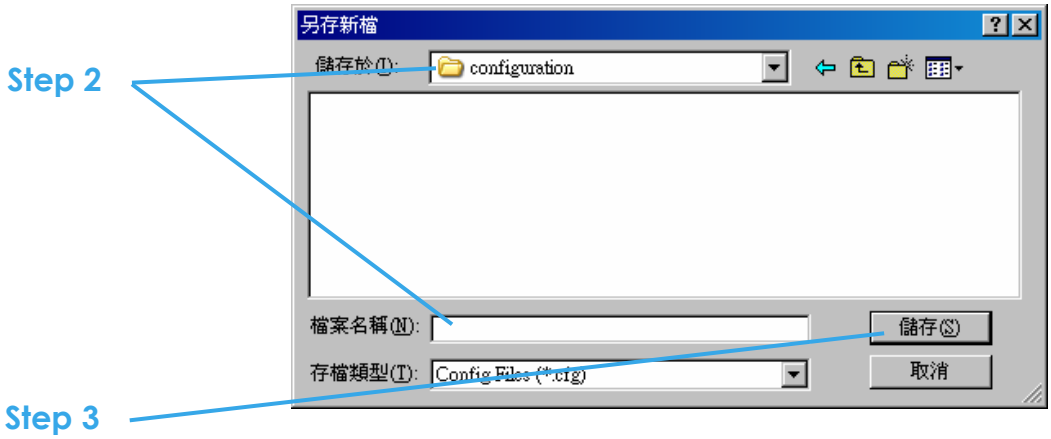
8.3 Export Configurations

Step 1: Press "Export".



Step 2: Select the location you want to Export and type the name of the configurations.

Step 3: Press "Save" to start to import database.



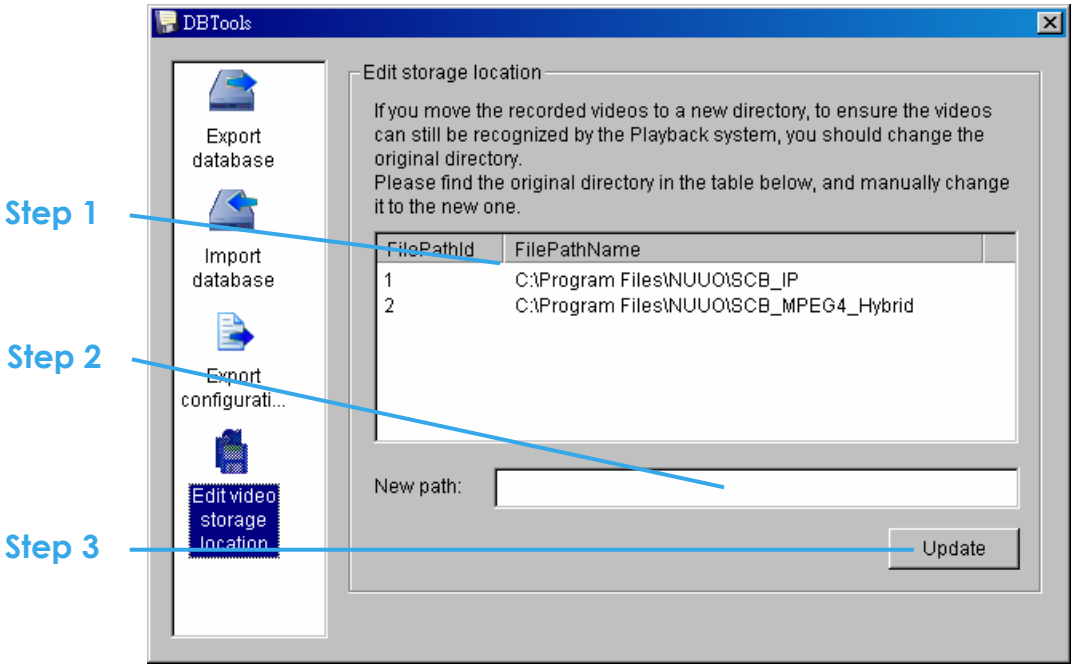
8.4 Edit Storage Location

If you move the recorded videos to a new directory, to ensure the videos can still be recognized by the Playback system, you should change the original directory.

Step 1: Select the original directory in the table.

Step 2: Change the selected path to the new directory for the moved video.

Step 3: Press "Update" to finish editing storage location.


DBTools
Export database
Import database
Export configurati...
Edit video storage location
Edit storage location
If you move the recorded videos to a new directory, to ensure the videos can still be recognized by the Playback system, you should change the original directory.
Please find the original directory in the table below, and manually change it to the new one.
FilePathId
FilePathName
1
C:\Program Files\NUUO\SCB_IP
2
C:\Program Files\NUUO\SCB_MPEG4_Hybrid
New path:
Update
Step 1
Step 2
Step 3

Appendix A

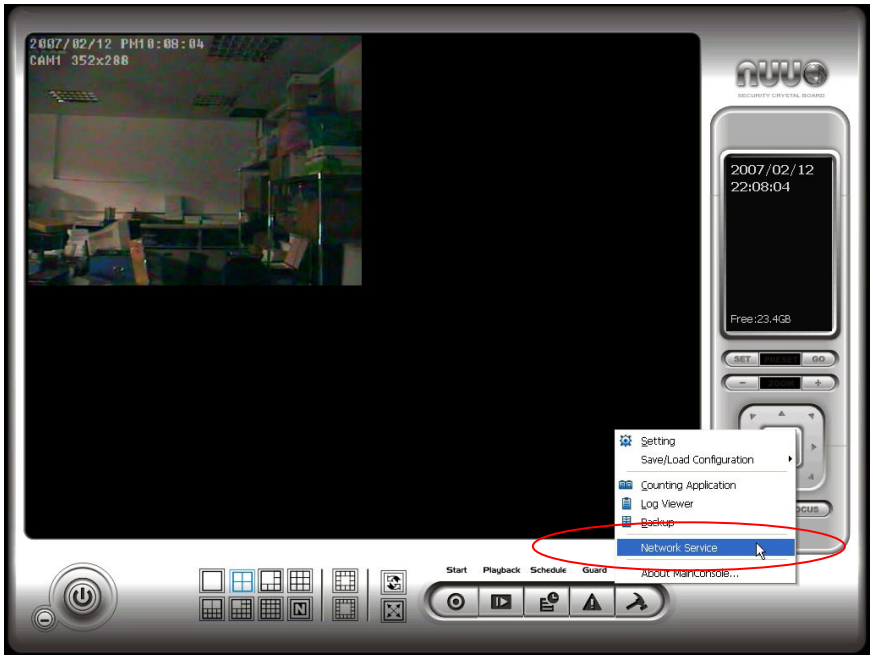
How to setup 3GPP streaming connection (using BenQ-Siemens mobile phones)

System Configuration

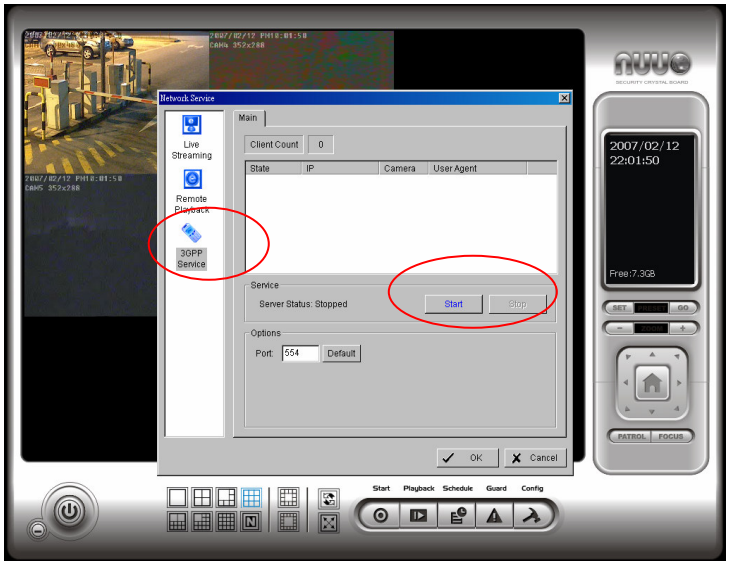
NUUO DVR / NVR server v2.6	
CPU:	Intel core2 Duo 1.86 GHz
Memory:	512 DDR RAM
Ethernet:	Realtek RTL8168/8111 PCI-E
Hard Disk:	160GB
Graphic card:	ASUS Extreme AX550
Operating System:	Windows XP Professional SP2
Mobile Phone:	BenQ-Siemens E81

1.1 Configuration from NUUO server

Step 1 : Go to **Config** and select **Network Service**



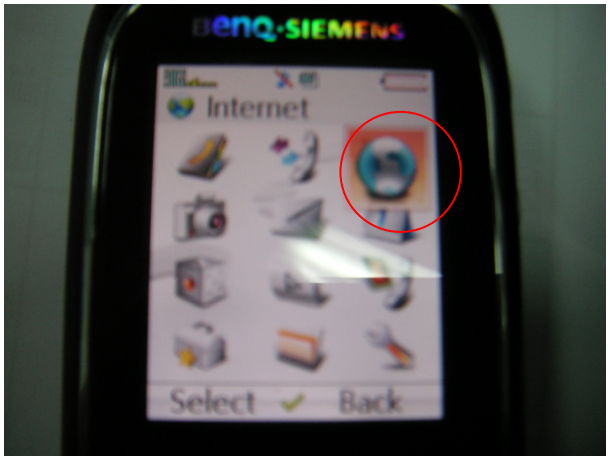
Step 2 : Select **3GPP Service**, and then click **Start**
Note: In the Option item, the **port** selected here is the same port from mobile handset



1.2 Configuration from 3G Mobile Phone

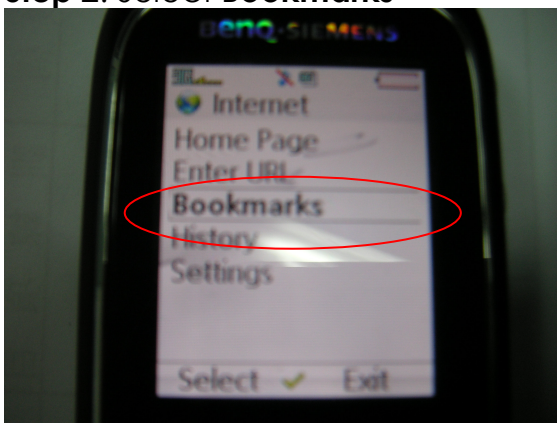
1.2.1 BenQ-Siemens E81

Step 1: Goto **Menu**, then **Internet**

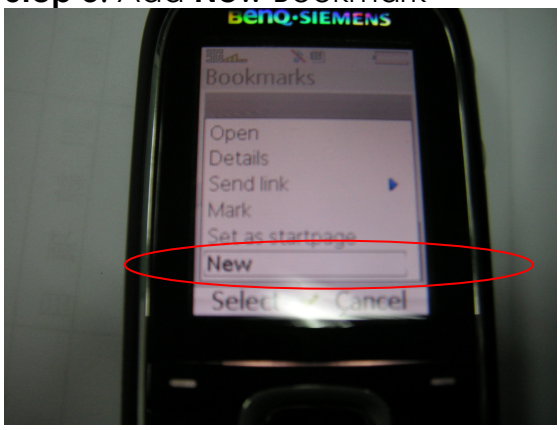


Appendix A

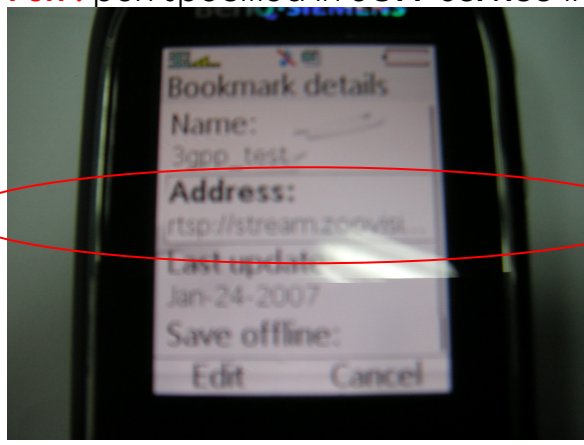
Step 2: Select **Bookmarks**



Step 3: Add **New** Bookmark



Step 4: Configure the Adress setting as the following example.
Ex: rtsp://61.216.97.69:554/**media00**.3gp
61.216.97.69:554 is the IP address of NUUO NVR or DVR system
Port : port specified in **3GPP Service** from NUUO NVR or DVR system



Step 5: Save the settings and start playing

1.2.2 BenQ P50

1. Connect GPRS

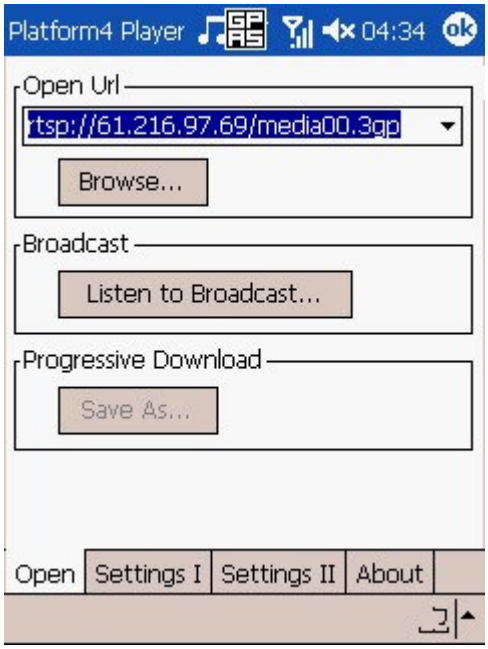
2. Download and install the [PLATFORM4] software.

3. Execute NUUO Main Console.

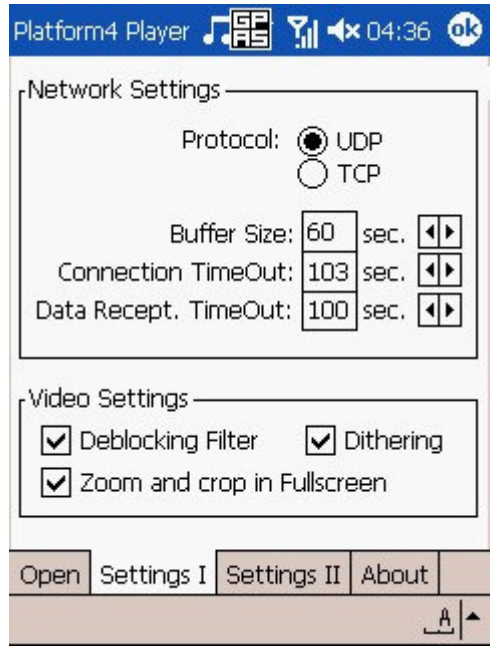
4. Press the [Config]→[Network Service]→[Start]

5. Open [PLATFORM4], press the button framed by red into Option

6. [Open Url] enter the rtsp address of the camera
   (EX: rtsp://61.216.97.69/media00.3gp→channel 1
   EX: rtsp://61.216.97.69/media01.3gp→channel 2
   EX: rtsp://61.216.97.69/media02.3gp→channel 3)



7. [Setting I]change the setting and press "OK"
   [Protocol] TCP
   [Buffer Size] 60
   [Connection TimeOut] 103
   [Data Recept. TimeOut] 100
   [Deblocking Filter] check



8. Go back to PLATFORM4, searching and then getting the video